

REPORTS
OF THE
TOWN OFFICERS OF MELROSE
FOR THE
FINANCIAL YEAR
ENDING DECEMBER 31, 1889.

MELROSE :
DUNTON & POTTER, PRINTERS.
1890.

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TOWN OFFICERS FOR 1889-90.

SELECTMEN AND HIGHWAY SURVEYORS.

LEVI S. GOULD, JOHN P. DEERING,
CHARLES W. HIGGINS.

TOWN CLERK.

JOHN LARRABEE.

TREASURER.

GEORGE NEWHALL.

COLLECTOR.

PARKER MERRILL.

ASSESSORS.

JOHN R. NORTON, CHARLES W. COOK,
ALBON W. PARKER.

WATER COMMISSIONERS.

WINGATE P. SARGENT, Chairman (resigned).
WILBUR D. FISKE, Chairman, Term expires 1892
GEORGE L. MORSE, " 1891
WILLIAM H. MILLER (to fill vacancy) " 1890

COMMISSIONERS OF WATER LOAN SINKING FUND.

DANIEL RUSSELL, Chairman, Term expires 1890
ROYAL P. BARRY, " 1891
JOHN W. FARWELL, " 1892

SCHOOL COMMITTEE.

JOHN O. NORRIS, Chairman, Term expires 1890
MRS. SARAH W. BRADBURY, " 1890
JOHN C. MAKER, " 1891
MRS. ARETHUSA K. MILLER, " 1891
CHARLES F. LORING, " 1892
MRS. A. B. P. WATERHOUSE, " 1892

TRUSTEES OF THE PUBLIC LIBRARY.

ELBRIDGE H. GOSS, CHARLES A. PATCH,
CHARLES C. BARRY, MARY L. CHARLES,
RUBY F. FARWELL.

AULITORS.

FRANK E. ORCUTT, WALTER I. NICKERSON,
GILBERT N. HARRIS.

OVERSEERS OF THE POOR.

HENRY G. FIELDS, Chairman, JOHN SINGER, JR.,
MRS. MARTHA D. BALE.

TOWN OFFICERS FOR 1889-90.

PARK COMMISSIONERS.

NATHANIEL P. JONES,	. . . . .	Term expires	1891
WILLIAM N. FOLSOM,	. . . . .	"	1890
WARREN A. RODMAN (resigned)	. . . . .	"	1892

CONSTABLES.

ANSEL B. PIERCE,	FRANK M. McLAUGHLIN,
HENRY B. NEWHALL.	

REGISTRARS OF VOTERS.

ALFRED HOCKING, Chairman,	. . . . .	Term expires May 1,	1890
WALTER BABB,	. . . . .	"	1892
VICTOR C. KIRMES,	. . . . .	"	1891
JOHN LARRABEE, Town Clerk.			

ENGINEERS OF THE FIRE DEPARTMENT.

A. WILBUR LYNDE, Chief.	WALTER B. ELLIS (resigned),
SAMUEL LEAR, Clerk.	ALBON W. PARKER.

MEASURER OF WOOD AND BARK, WEIGHER OF HAY AND COAL.
 SETH E. BENSON.

SURVEYOR OF LUMBER.	POUND KEEPER.
HENRY A. LEONARD.	W. TRUMAN HOWARD.

COMMITTEE ON CEMETERIES.

GEORGE NEWHALL,	DANIEL RUSSELL,
JOHN LARRABEE.	

FENCE VIEWERS.

DEXTER PRATT,	WALTER C. STEVENS.
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FIELD DRIVERS.

OTIS HOWARD,	HENRY B. NEWHALL,
FRANK GIBBONS,	W. TRUMAN HOWARD.

POLICE OFFICERS.

FRANK M. McLAUGHLIN, Chief.	
HENRY B. NEWHALL,	W. A. CASWELL,
REDFORD M. RAND,	A. WILBUR LYNDE,
D. T. STOCKWELL,	OSBORNE E. DROWN,
CHARLES F. W. FOGG,	CHAS. H. FULLER,
JEROME T. SMITH,	HENRY BARRON,
JAMES DAVIDSON,	SAMUEL LEAR.

FOREST FIRE WARDS.

DEXTER PRATT,	CALVIN LOCKE,
CHASE C. WORTHEN,	JAMES MARSHALL,
HENRY BARRON.	

SEALER OF WEIGHTS AND MEASURES.

THOMAS T. BAILEY.

REPORT OF THE SELECTMEN.

To the Inhabitants of Melrose:

Your selectmen respectfully submit their report for the financial year ending Dec. 31, 1889:

HIGHWAYS.

The general appropriation for repairs, etc., at the annual meeting, amounted to the sum of \$6,000. You also appropriated \$1,000 for the purpose of purchasing crushed stone, but at the adjourned meeting the selectmen were instructed to apply said sum to the general uses of the highways, rather than for special expenditure, as previously voted. At the November meeting you added \$500 more, making a sum total of \$7,500, for general repairs, irrespective of special appropriations for use on the following streets, etc., viz.: First, Third, Sixth, Eleventh, Highland, Russell, Adams, Sylvan, Batchelder and Bellevue avenue extension; also for removal of ledges, etc., on Upham and Vinton streets, and for the construction of a sidewalk on Upham street. These various special appropriations aggregate the sum of \$3,750, making a grand total of \$11,250, all of which will be found duly accounted for under appropriate headings in the financial statements hereto annexed. For economical distribution of labor and material, we have found it necessary in some cases to work one job in connection with

others, and thus various items are necessarily condensed in our statements, as it would be extremely difficult to designate, with any degree of accuracy, the exact spot whereon every load of gravel was dropped or every cent's worth of labor expended. Sylvan street, Batchelder street, the extension of Bellevue avenue and the Upham street sidewalk are instanced as examples where the labor and material on one was so interwoven with the other, or with general repairs, as to be almost inseparable. As the town thought wise at the annual meeting to direct the selectmen to suspend negotiations for the purchase of a stone crusher, as ordered at the previous meeting, we have been obliged to do without this very serviceable machine. Blue gravel has been heretofore obtained principally from the pit of the Boston and Maine Railroad, at Island Hill, Malden. This source has been recently cut off by the refusal of the corporation to allow the town further privileges. As stated in our report of last year, the question of obtaining suitable gravel for our highways is a very serious one and demands early attention. If the experiences of almost every town and city in our vicinity are to be considered of value, the purchase of a stone crushing outfit seems to offer the only practical solution of our increasing difficulties in road making and repairing. Following your instructions, we have applied the contract system to every item of sufficient importance, with excellent financial results, as far as the town is concerned.

In addition to the foregoing, the public should bear in mind that a vast amount of work is annually expended on a variety of items and taken from the highway fund, which cannot be readily detailed, such as the cleaning of catch basins, gutters, etc., the trimming of trees, fencing dangerous places and many other things which demand the attention of this board.

STREETS REPORTED AND ACCEPTED.

Mount Vernon street, as extended; Brown street, Summer street, as widened, straightened and extended; First street, extended; Sixth street, Eighth street, Third street, extended; Bellevue avenue, extended; Batchelder street, Crystal street, Woodland avenue, Botolph street, West Hill avenue, Highland street, Pratt street, Cliff street, Russell street, Adams street, High street, Sylvan street, as widened; Grundy street, Walton Park and Sibley street, the latter when finished to the satisfaction of the selectmen.

MAIN STREET WIDENING.

This great public improvement has been completed at a very moderate cost, and we think we voice the opinion of a very large number of our citizens, that the principal avenue of our town ought to be continued sixty feet in width to the Wakefield line. The County's share of the widening, as awarded by the commissioners, has been paid into the town treasury.

LEDGES ON UPHAM AND VINTON STREETS.

These ledges have been removed within the amount of your appropriation, and Vinton street rebuilt, from Perkins to Orris street, in excellent shape, under contract with Mr. Philpot.

DRAINAGE.

Following your instructions, we relaid the drains in Foster and Mount Vernon streets, both of which we are pleased to state are working perfectly.

CEDAR PARK AND WOODLAND AVENUE DRAINS.

At the November meeting we were instructed to obtain the services of a competent engineer and construct a drain to relieve Cedar Park, for which \$1,000 was voted. By advice of the engineer, we have laid a pipe under the Boston and Maine railroad, connecting with the Essex street system, which has been remodelled and continued with a fifteen-inch pipe east of Myrtle street, through Upham street to Ell Pond brook. By bringing the drain in this direction we relieve Dix Pond of the surface water flowing from Essex street and the vicinity of Mr. Bartlett's stable, and giving an extra catch basin at the corner of Main and Upham streets, into which we propose to conduct the overflow of the stone watering trough, a source of great annoyance at present. By contracting this work in connection with the Woodland avenue drain, etc., for which \$500 was voted, we shall be enabled to complete both of these much-needed improvements at a very low figure, and we think to the perfect satisfaction of all concerned, although it is a matter of regret that the lateness of the season will prevent completion until spring opens. The pipe work was contracted for with Mr. W. B. Ellis, and the grading of Woodland avenue with Mr. John Duff, they being the lowest bidders.

ELL AND SPOT POND BROOKS.

These brooks were carefully cleaned out this season. We think it would be wise for the town, at the annual meeting, to consider the question of widening and deepening the channels of these important streams, to the full limits established by the county commissioners.

STREET LIGHTS.

The town is still served with electric light by the Malden Company, which furnishes twenty-six arc and forty incandescent lights, at a total annual cost of \$3,320. We believe that the time is not far distant when it will be a matter of economy for the town to furnish its own power and light all our streets with electricity. The Wheeler Reflector Company has furnished one hundred and fifty-one kerosene lamps at an expense of \$1,516.61. Total expense of street lighting, as shown elsewhere, \$4,838.40.

POLICE.

With the additional appropriation voted by the town, we have reorganized the force substantially as outlined at the annual meeting, and as we think with improved efficiency. The duties of the various members of this department are thus defined:

The chief is to be on duty at the Town Hall from 1 P. M. until evening, having general control of the force at all times.

Officer O. E. Drown is on duty at Town Hall from 7 A. M. to 12 M.

Officer W. A. Caswell is on duty at Melrose depot from 7 to 11 P. M., and after that hour his beat is in the center of the town.

Officer Jerome T. Smith is at Wyoming and vicinity from 7 P. M. to 4 A. M.

Officer C. F. W. Fogg is at Melrose Highlands and vicinity from 7 P. M. to 4 A. M.

Chief McLaughlin is also probation officer.

For arrests made during the year we refer to the report of the chief of police herewith.

MELROSE COMMON.

In conjunction with the Improvement Society, we have expended your appropriation of \$150 as directed. Every citizen should view their "breathing space" and note the change which has taken place through the efficient labors of Mr. Folsom and his public-spirited associates of the Improvement Society.

FIRE DEPARTMENT.

Mr. Walter B. Ellis, after a long and faithful service as engineer, tendered his resignation, and Mr. Albon W. Parker was appointed to the vacancy. We are pleased to call attention to the excellent service rendered by officers and men during the past year, and while the department is composed of such material we have little to fear from the devouring element.

NORTH METROPOLITAN SEWERAGE SYSTEM FOR THE MYSTIC
AND CHARLES RIVER VALLEYS.

At the legislative session of 1889 this subject was disposed of by the passage of an act which obliges the town to become a party to the system. Commissioners have been appointed by the governor and plans are being forwarded to commence work at an early day. The City of Malden has already taken action toward the laying of pipes, etc., and we think it would be well for the town to give the subject thorough consideration.

BETTERMENT ACTS ACCEPTED.

At the November meeting the town accepted all betterment acts heretofore placed upon the statute books and applicable to towns.

AUSTRALIAN BALLOT SYSTEM.

In accordance with your instructions and statute law, we caused to be constructed all booths, stands, etc., necessary to conduct this method of balloting. We are satisfied that the system in general is a decided success.

TOWN HALL GAS BILL.

We desire to call your attention to the fact that during the year 1889 there was consumed in this building 374,900 cubic feet of gas, costing \$749.80. We think it would be wise to take some action looking to a decrease in the cost of lighting through the introduction of electricity.

MALDEN ELECTRIC COMPANY.

During the year we have granted this company, under very strong restrictions, permits to erect quite a number of poles on the principal streets, that their wires might be taken from telephone poles and thus obtain very much improved telephonic communication.

REVERE WATER COMPANY.

Late in the session of the Legislature of 1889, it became known to the members of this board that the above-named corporation was, as we believed, surreptitiously endeavoring to obtain the right to take water from Bennett's Pond, near the Saugus line. This scheme was thwarted by authorizing the chairman of the board to appear before the Legislative Committee and remonstrate in behalf of the citizens of the town. The bill was so amended as to prevent their entrance upon any portion of the territory of this town, and their operations are confined to the Town of Saugus.

DAMAGES CLAIMED AND SUITS AGAINST THE TOWN.

During the past year the selectmen have settled for nominal sums the claims of Jennie G. Fox, Ella A. Locke and Nellie A. Locke. The claim of Noyes Ames, noted in our report of last year, for damages on Washington street, has been settled by the City of Malden, without expense to this town. The only suits now pending of which we as a board have any knowledge, is that of Justus Geist, for damages sustained during the great flood of 1886, F. A. H. Norcross, for alleged damages to horse, and A. V. Lynde, Esq., vs. the Water Boards of Malden, Melrose and Medford, aluded to last year.

SUPERINTENDENT OF STREETS.

Your attention is called to the following act, passed by the Legislature of 1889. It will be observed that although the appointment of a superintendent is mandatory, the act does not prevent the election of the selectmen as surveyors of highways as heretofore. The superintendent must serve under their direction in any event, and is subject to all the duties and penalties imposed upon surveyors of highways.

[CHAP. 98.]

AN ACT TO PROVIDE FOR THE APPOINTMENT OF A SUPERINTENDENT OF STREETS IN TOWNS.

Be it enacted, etc., as follows:

SEC. 1. As soon after the annual town meeting as may be, the board of selectmen shall appoint some suitable person to be a superintendent of streets, who shall serve during the year and until his successor is appointed and qualified in his stead.

SEC. 2. Said superintendent of streets shall, under the

direction of the selectmen, have full charge of all repairs and labor required of towns upon streets, ways, bridges and sidewalks, and the care and preservation of shade trees, and in relation thereto shall have all the powers and be subject to all the duties, liabilities and penalties now or hereafter imposed upon surveyors of highways.

SEC. 3. In towns where no other provision is made, said superintendent of streets shall have full charge of all repairs required of towns upon sewers and drains, and in relation thereto shall have the same powers and be subject to the same duties, liabilities and penalties as are imposed upon said superintendent in section two of this act, in relation to the repairs of streets, ways, sidewalks and bridges.

SEC. 4. When in the judgment of the selectmen the best interests of the town so requires, said superintendent may be removed from his office by said board; and whenever a vacancy shall occur in the office of superintendent of streets, either by removal, resignation or otherwise, the board of selectmen shall appoint some suitable person to fill the vacancy, who shall hold his office until his successor is appointed and qualified in his stead.

SEC. 5. Said superintendent shall be sworn to the faithful discharge of his duties, and shall receive such compensation for his services as the board of selectmen or town may by vote determine.

SEC. 6. Any town which has accepted or shall hereafter accept the provisions of chapter one hundred and fifty-eight of the acts of the year eighteen hundred and seventy-one or of sections seventy-four, seventy-five, seventy-six and seventy-seven of chapter twenty-seven of the Public Statutes shall be exempt from the provisions of this act, until such acceptance is revoked by such town.

SEC. 7. All acts and parts of acts inconsistent herewith are hereby repealed.

SEC. 8. This act shall take effect in the several towns of this Commonwealth from and after the next annual meeting for the election of town officers which may be held subsequent to its passage. [*Approved March 11, 1889.*]

RELIEF TO SOLDIERS AND SAILORS AND THEIR WIDOWS.

The attention of the town is also called to chapter 298 of the Acts of 1889, hereto appended, under which we have found it necessary to furnish assistance to certain soldiers who were entitled under provisions of said act. We respectfully request an appropriation to cover what may be necessary during the coming year.

[CHAP. 298.]

AN ACT TO AUTHORIZE CITIES AND TOWNS TO FURNISH RELIEF TO SOLDIERS AND SAILORS AND THE WIDOWS OF SOLDIERS AND SAILORS WHO SERVED IN THE ARMY OR NAVY OF THE UNITED STATES DURING THE WAR OF THE REBELLION.

Be it enacted, etc., as follows:

SEC. 1. Whenever any person who served in the army or navy of the United States in the war of the rebellion, and received an honorable discharge therefrom, and who has a legal settlement in a city or town in this Commonwealth, becomes from any cause, except his own criminal or wilful misconduct, poor, and entirely or in part unable to provide maintenance for himself, or whenever such a person has died and left a widow without proper means of support, such person or his widow shall be supported wholly or in part, as may be necessary, by the city or town in which they or either of them have a legal settlement. Such relief shall be furnished at the home of the beneficiary, or at such other place in the Commonwealth, other than an almshouse, as the mayor and aldermen of such city or the selectmen of such town may deem right and proper.

SEC. 2. Cities and towns shall raise and appropriate money for the purpose of carrying out the provisions of this act.

SEC. 3. Chapter four hundred and thirty-eight of the acts of the year eighteen hundred and eighty-eight is hereby repealed.

SEC. 4. This act shall take effect upon its passage.
[*Approved May 3, 1889.*]

BURIAL OF SOLDIERS AND SAILORS.

Under the provisions of chapter 395 of the acts of 1889, hereto appended, we have appointed Gilbert N. Harris as agent of the town to carry out the provisions of said act.

[CHAP. 395.]

AN ACT PROVIDING FOR THE BURIAL OF DECEASED INDIGENT OR FRIENDLESS SOLDIERS, SAILORS OR MARINES OF THE LATE WAR.

Be it enacted, etc., as follows:

SECT. 1. It shall be the duty of the mayor of each city and of the selectmen of each town of the Commonwealth to designate some suitable person or persons, who shall serve without compensation, and shall be other than the overseers of the poor or those employed by them, whose duty it shall be, under regulations established by the commissioners of state or military aid, to cause to be properly interred the body of any honorably discharged soldier, sailor or marine who served in the army or navy of the United States during the late war who may hereafter die in such city or town without leaving sufficient means to defray funeral expenses.

SECT. 2. The expense of such burial shall not exceed the sum of thirty-five dollars. Such burial shall not be made in any cemetery or burial ground used exclusively for the burial of the pauper dead or in that portion of any burial ground so used: and *provided*, that in case relatives of the deceased who are unable to bear the expense of burial desire to conduct the funeral they may be allowed to do so and the expense shall be paid as herein provided.

PERAMBULATIONS OF TOWN LINES.

In company with the selectmen of Wakefield, we have perambulated the lines between the two towns and found the boundary stones in good condition, as per our joint report spread upon the records of the town.

BOARD OF HEALTH.

(J. P. DEERING, Chairman.)

For the year ending Dec. 31, 1889, there have been reported to the Board thirty-two cases of contagious diseases, classified as follows :

MONTHS.	Scarlet Fever.	Diphtheria.	Typhoid Fever.
January.....		1	
February			
March.....	1	3	1
April.....	1	1	
May.....	1		2
June.....		1	
July.....	3		1
August.....			5
September.....	1	1	3
October.....			1
November.....	1	1	
December.....	2	1	
	10	9	13

Sixty-six cases were reported last year, showing a very large per centage of decrease the past year as compared with 1888, also a decrease of twenty-one cases as compared with 1887. We think this is due in part to the better sanitary regulations that have prevailed. Our citizens in general taking more interest in the matter, thereby aiding us in our endeavors to abate nuisances as soon as they appear. Early in the fall we adopted the plan used in the cities of this Commonwealth, of placing upon the premises where infectious diseases existed a card designating the particular disease, and requiring the same to remain posted until the attending physician notifies us that no further danger of contagion may exist. This we think, with the assistance rendered by the school committee, has been of advantage in preventing the spread of disease, more particularly among the children attending our public schools. Thirty-

four notices were served to owners regarding nuisances existing upon or about their premises. In one case only were we obliged to order premises vacated for want of proper sanitary conditions.

Officers McLaughlin and Drown were appointed as special agents of the Board; they have rendered very efficient service. One hundred and twenty-eight deaths have been registered during the year, of which number four persons were non-residents, making the total number of deaths in Melrose, 124, which includes five residents of Melrose who died elsewhere, and in previous years were not reported as now required by law.

DISEASES OR CAUSES OF DEATHS.

Disease of brain,	2	Pneumonia pleuro,	1
Phthisis,	3	“ broncho,	1
Phthisis pulmonalis,	4	Chronic catarrh, pneumo-	
Consumption,	5	nia and meningitis,	1
Miliary tuberculosis,	2	Membraneous croup,	1
Pleurisy,	1	Whooping cough,	1
Tuberculosis of bowels,	1	Pericarditis,	1
Chronic bronchitis and ca-		Enteriditis,	1
tarrhal pneumonia,	1	Peritonitis,	2
Tubercular meningitis,	5	Cerebral paralysis,	3
Debility and old age,	1	Paralysis	7
Apoplexy,	2	Nervous debility and old	
Cholera infantum,	4	age,	1
Uræmia,	1	Pertussis and convulsions,	1
Railway accident,	4	Diphtheria,	3
Drowning “	1	Typhoid fever,	2
Electrical “	1	Marasmus,	3
Debility and anæmia,	1	Ovarian tumor,	1
Asphyxia,	2	Spina bifida,	1
Asthenia,	1	Rheumatism and heart	
Abscess following typhitis	1	disease from Bright's,	1
“ of brain,	1	Bright's disease,	2
Hæmorrhage from bowels,	1	“ morbus,	1
Hydrocephalus,	1	Still-born or premature	
Acute dropsy of brain,	1	birth,	8
Obstruction of bowels,	1	Leucocythemia,	1
Ch. dysentery and old age,	1	Cirrhosis of liver,	1
Septicæmia,	1	Cancer,	6
Puerperal fever,	1	Carcinoma,	2
Imperfect development,	1	Abdominal tumor,	1
Hæmotopsis,	1	Heart disease,	9
Tenectus,	1	“ failure,	1
General atrophy and coma,	1	Suicide,	1
Pneumonia,	8		

No appropriation beyond the unexpended balance will be required for the ensuing year.

SOLDIERS' LOTS AT WYOMING CEMETERY.

The sum of \$300 has been expended, according to your instructions, in grading and otherwise improving the lots voted to soldiers and their families. We respectfully suggest that a similar amount be appropriated for the same purpose the current year.

Respectfully submitted,

LEVI S. GOULD,
JOHN P. DEERING,
CHAS. W. HIGGINS,
Selectmen.

REPORT OF OVERSEERS OF THE POOR.

It is only a question of time when it may be thought expedient to care for our insane poor in an asylum properly constructed, to be connected with almshouse accommodations of our own, as is being done with theirs by some other places.

This has been resorted to as a measure of relief for the state asylums, at their own request, because of their overcrowded condition.

Upon inquiry, we have found that the removal of these persons has somewhat reduced the expenditure of the departments without correspondingly increasing those of the farms in the places where it has been adopted, while it is conceded by authorities competent to judge in the matter, that the patients are fully as well cared for as formerly.

The Board of State Charities also boarding out many of the harmlessly insane in private families, subject to their own control, by the consent of the overseers of the poor of those places where the patients belonged, for the same reason as is the case in one instance of our own. This would seem in part, if not wholly, to solve the problem which has concerned the state authorities for several years, namely: "What shall we do with so many of our insane?" Many believe that the cities and towns should care for their own, as far as possible, leaving to the state only the care of the unsettled poor.

The year has passed with very little sickness of an alarming character, that most prevalent being mainly due to weather changes, exposures and to causes which depend upon some departure from the right way of living. Compelled as we are to maintain separate rents for large families at as low rates as possible, in order to bring our expenditures within reasonable limits, it is no wonder that violations of the laws of health in some cases are rendered imminent, and that sickness, and even filth diseases should more or less prevail; not that actual filth and dirt are always present where these diseases prevail, but that crowded tenements, bad air, poor food, deficient drainage, and in some cases the habitual use of miserable stimulants have their full share in producing sickness.

Of course, the remedy for this is a commodious, clean and comfortable home for our poor, where those addicted to drink can be restrained; where the sick can be nursed and cared for; where the old and infirm may have the attention of kind hearts and willing hands, and the feeble and imbecile be made as comfortable and happy as their mental condition will admit of, all to be under the watch and care of experienced and faithful attendants.

We hang this picture before our citizens to make a note of, hoping that it may help to lead up to a fuller and more efficient relief of our poor, with, as we think, about the same money that we now expend.

Not that we can reflect upon or depreciate the benevolence of our townspeople, who provide for and relieve the pain, sickness, misery, want and destitution of the unfortunate ones, making the Department of Relief for the Poor a noble, most useful and beneficent charity, and one upon which the writer of this report can look back upon for sixteen years of his official service and say that they have always supported, not grudgingly, but with full hearts and

full hands. It is because of the noble generosity and anxiety of our citizens to do the best thing that we are prompted to these remarks and to a desire to see their efforts rewarded with a better showing for their money than can possibly be had under the straggling, broken-up system which we are obliged to maintain in caring for our unfortunate poor.

Seven families were thrown upon this town during the year, which compelled us to call for more money at the fall meeting, it not being anticipated at the spring town meeting. These casualties were: Two disabled by accident, two by drunkenness, non-support and imprisonment, one by protracted sickness, one by drunkenness and desertion and one by death. Three of these families we have been relieved of lately, but we entertain no hopes of relief from the four families remaining. The result has been that the expenses of the summer months, which are usually very small, have been fully equal to those of the high winter aid.

The whole number who have been more or less aided during the year is ninety-two. Of this number thirty-two received full support during the whole or a part of the year.

The number provided for at the several insane hospitals is eleven.

Twenty-six persons have been aided who belong in other cities and towns, and to the state, for whom we are to be reimbursed.

For the expenditures and receipts see financial columns, prepared by the town clerk.

H. G. FIELDS,
JOHN SINGER, JR.,
MARTHA D. BALE,
Overseers of Poor.

REPORT OF THE TOWN CLERK.

PROCEEDINGS OF TOWN MEETINGS.

Annual Meeting, March 4, 1889, 7 A. M.

ARTICLE I OF THE WARRANT. To choose a moderator.
Chose Levi S. Gould.

ARTS. 2, 3 and 4. To see if the town will accept certain provisions of the statutes relating to the election of selectmen, assessors and road commissioners.

Voted, To indefinitely postpone.

ART. 5. To bring in votes on one ballot for selectmen, overseers of poor, clerk, treasurer, collector, assessors and other officers.

To bring in votes, upon a separate ballot, in answer to the question, "Shall licenses be granted for the sale of intoxicating liquors in this town?" Form and size of ballots to be as prescribed in Chapter 49, Acts of 1886.

Voted, That the officers elected this day shall consist of three selectmen, who shall also be highway surveyors; one clerk, one treasurer, one collector of taxes, three assessors, one water commissioner for three years, one water commissioner for two years, one water loan sinking fund commissioner for three years, one park commissioner for three years, three overseers of the poor, two school committee for three years, five trustees of the public library, three auditors and three constables.

Voted, That when this meeting adjourns it be to next Monday evening, March 11, at 7.30 P. M.

Voted, That Royal P. Barry, Sidney H. Buttrick, Daniel Norton, Moses Briggs, John W. Farwell, John B. Souther, Seth E. Benson, George W. Farnsworth and George W. Burke be a committee to investigate and report the amounts necessary to be raised and appropriated for the expenses of the current year, and that they be requested to take into consideration all the articles in the warrant for this meeting which will require an expenditure of money and report such amounts as in their judgment will be required for the purposes named therein.

Voted, That the consideration of the articles in the warrant, with the exception of Articles 5 and 6, be postponed until the adjourned meeting (March 11).

Voted, To close the polls at 4.30 P. M.

Polls opened under Article 5.

Tellers appointed and sworn: Henry Drake and Charles W. Cochrane.

At 4.30 P. M. the polls were closed and the following persons were declared elected to office by the moderator:

Selectmen and Highway Surveyors.—Levi S. Gould, John P. Deering, Charles W. Higgins.

Overseers of the Poor.—Henry G. Fields, John Singer, Jr., Martha D. Bale.

Town Clerk.—John Larrabee.

Town Treasurer.—George Newhall.

Collector of Taxes.—Parker Merrill.

Assessors.—John R. Norton, Albon W. Parker, Charles W. Cook.

Water Commissioner for 3 years.—Wilbur D. Fiske.

Water Commissioner for 2 years.—George L. Morse.

Water Loan Sinking Fund Commissioner for 3 years.—John W. Farwell.

Park Commissioner for 3 years.—Warren A. Rodman.

School Committee for 3 years.—Charles F. Loring, Addie B. P. Waterhouse.

Trustees of the Public Library.—Elbridge H. Goss, Charles C. Barry, Charles A. Patch, Ruby F. Farwell, Mary L. Charles.

Auditors.—Frank E. Orcutt, Walter I. Nickerson, Gilbert N. Harris.

Constables.—Ansel B. Pierce, Frank M. McLaughlin, Samuel Lear.

LICENSE QUESTION.

“Yes,” sixteen votes; “No,” five hundred and eighteen votes.

Voted, To adjourn.

Adjourned Meeting, March 11, 1889, 7.30 P. M.

ART. 6. To choose all other necessary town officers.

OFFICERS ELECTED.

Measurers of Wood and Bark, Weighers of Hay and Coal.—Seth E. Benson, C. B. Goss.

Surveyor of Lumber.—Henry A. Leonard.

Committee on Cemeteries.—George Newhall, Daniel Russell, John Larrabee.

Fence Viewers.—Dexter Pratt, Walter C. Stevens.

Pound Keeper.—W. Truman Howard.

Field Drivers.—Otis Howard, Frank Gibbons, Henry B. Newhall, W. Truman Howard.

Sealer of Weights and Measures.—Thomas T. Bailey.

ART. 7. To authorize the town treasurer to borrow money for the purpose of meeting the demands of the town, with the approval of the selectmen.

Voted, Unanimously, that the treasurer be authorized, with the approval of the selectmen, to hire money, to renew, replace or pay any existing loan or loans; also, to hire money in anticipation of taxes for the current year, to meet expenses, and issue notes of the town therefor.

Report of the Finance Committee appointed at previous meeting read and accepted.

ART. 8. To raise money for schools.

Voted, To raise twenty-three thousand dollars; unexpended balance from last year also appropriated.

ART. 9. To raise money for school contingent expenses.

Voted, To raise three thousand five hundred dollars; unexpended balance from last year also appropriated.

ART. 10. To raise money for highways.

Voted, To raise seven thousand dollars, of which amount one thousand dollars is to be expended for crushed stone; unexpended balance from last year to be added.

ART. 11. To raise money for sidewalks.

Voted, To raise two thousand dollars, of which amount five hundred dollars shall be expended for repairs on existing walks and the remainder to be expended according to votes of town in previous years; unexpended balance from last year added.

ART. 12. To raise money for crossings and gutters.

Voted, To raise five hundred dollars; unexpended balance from last year to be added.

ART. 13. To raise money for the support of the poor.

Voted, To raise five thousand dollars; unexpended balance from last year added.

ART. 33. To see if the town will pay the Fire Department the sum of fifty dollars each per annum, on petition of J. H. Edwards and other members of the department.

Voted, That a committee of three be appointed to examine into and consider what will be adequate compensation for members of the Fire Department, and that Art. 14 be referred to said committee with instructions to report at the adjourned meeting. Committee appointed: John B. Souther, Walter Babb, George T. Brown.

ART. 15. To raise money for lighting and care of street lamps.

Voted, To raise four thousand dollars; the unexpended balance from last year added.

ART. 16. To raise money for additional street lamps.

Voted, To raise one hundred and fifty dollars; unexpended balance from last year added.

ART. 17. To raise money for police and watchmen.

Voted, To raise four thousand dollars; unexpended balance from last year added.

ART. 18. To raise money for contingent expenses.

Voted, To raise two thousand dollars; unexpended balance from last year added; the expense of fire inquest recently held to be paid from the above.

Voted, That our representative in the General Court be requested to use his influence to so amend Chap. 216 of the Public Statutes, as amended by Chap. 199 of the Acts of 1888, that the expense of holding inquests, as required by said statute, shall not be borne by the towns, or that the engineers be not compelled by law to require such investigations.

ART. 19. To raise money to pay interest on the town debt.

Voted, To raise five thousand dollars; unexpended balance from last year added.

ART. 20. To raise money for the reduction of the town debt.

Voted, To raise five thousand dollars.

ART. 21. To raise money for the public library.

Voted, To raise seven hundred and fifty dollars; unexpended balance from last year to be added, and the dog tax, when received, appropriated for the same purpose.

ART. 22. To raise money to defray expenses of the Board of Health.

Voted, To raise two hundred dollars.

ART. 41. To hear and act upon the reports of committees and for the transaction of any other business which may legally come before this meeting.

Voted, That a committee of five be appointed by the moderator to consider, with the School Committee, what additional accommodations are needed for the schools located in the High School building and to report at the town meeting to be held on April 22. Committee appointed: R. P. Barry, J. W. Farwell, C. W. Higgins, C. C. Odlin, G. H. Dearborn.

Voted, That all money received by the water commissioners, or appropriated by the town, be paid into the town treasury, and not paid out until proper vouchers are approved by the auditors and by the selectmen.

(On a motion to reconsider the above—not a vote.)

Voted, To adjourn to Monday evening, March 18, at 7.30 o'clock.

Adjourned Meeting, March 18, 7.30 P. M.

ART. 41.

Voted, Unanimously, that a committee of five be appointed to examine into the property, affairs, expenses, receipts,

etc., of the Water Department of this town; to consider as to the proper, legal, economical and best method for the management of its business, and to make at an early day a written report which shall give a full and clear statement as to the property, its condition, cost, expense of conducting, receipts, etc., with such recommendations as to its future economical management as they shall deem best. Committee appointed: John W. Farwell, Royal P. Barry, George T. Brown, Sidney H. Buttrick, George C. Stantial.

Report of selectmen on guide boards in the town March 1, 1889, received and accepted.

Voted, unanimously, that the Cemetery Committee, with the approval of the selectmen, be and are hereby authorized to purchase land adjoining Wyoming cemetery, for cemetery purposes, and to pay therefor out of the receipts of said cemetery, an amount not exceeding five hundred dollars.

Report of committee appointed at previous meeting, under Art. 33, to consider what will be adequate compensation for members of the Fire Department, read and accepted.

ART. 14 and 33. To raise money for the Fire Department, etc.

Voted, That the members of the Fire Department, including the engineers, be paid the sum of thirty-five dollars each per annum; that pay rolls for each company be made and audited, so that the firemen shall be paid as other employees of the town are now paid.

Voted, To raise three thousand, three hundred and eighty-five dollars for the expenses of the Fire Department.

ART. 23. To raise money for the use of water in hydrants, public buildings, etc.

Voted, To indefinitely postpone.

ART. 24. To raise money for salaries of town officers, and to fix the compensation of all officers and committees elected or appointed by the town.

Voted, To raise three thousand and twenty-five dollars; that the compensation of officers be the same as last year, with the exception of the auditors, who shall receive for the entire service of the board, the sum of one hundred dollars, and if any one auditor shall do the work, he shall receive the entire sum, the others receiving no salary.

ART. 25. To raise money for drainage, bridges and culverts.

Voted, To raise one thousand dollars; unexpended balance from last year added.

ART. 26. To raise money for the purposes for which the treasurer has been authorized to borrow and the selectmen to expend during the past year, and for any other necessary expenses for the ensuing year.

Voted, To raise five thousand, two hundred forty-two and sixty-nine hundredths dollars for expenses incurred by votes of the town at meetings during the year 1888, viz.:

Maple street, widening	. . .	\$508 00
Howard street, sidewalk	. . .	200 00
Cedar Park, drain	. . .	114 25
Franklin street, drain	. . .	614 00
Wyoming avenue, sidewalk	. . .	356 44
Drainage Committee expenses	. . .	250 00
Main street, widening	. . .	3,200 00
		<hr/>
Total	. . . . .	\$5,242 69

Voted, That it is the sense of the town that the selectmen indefinitely postpone the purchase of the stone crusher which the town voted should be purchased at the last town meeting.

Voted, To raise for the payment of military aid the sum of three hundred dollars; for the insurance of town property the sum of one thousand dollars, and for the running expenses of the Town Hall building the sum of six hundred dollars.

ART. 27. To determine the method by which the taxes for the year shall be collected.

Voted, That all single poll taxes be made payable on or before August 1, 1889; that all other taxes be made payable on or before October 1, 1889, and that interest be added upon all taxes remaining unpaid after that date at the rate of six per centum per annum; that all property on which the taxes remain unpaid on June 1, 1890, be sold by the collector, in accordance with the provisions of law, and that he be instructed to strictly carry out the provisions of the above vote.

ART. 28. To authorize the town treasurer to issue water fund bonds for the purpose of paying the cost of construction for the ensuing year.

Voted, That this article be referred to the special committee appointed at this meeting to examine into the affairs of the Water Department.

ART. 29. To see if the town will raise the sum of two hundred dollars for keeping in repair and decorating the graves of soldiers on Memorial Day.

Voted, To raise two hundred dollars.

ART. 30. To see if the town will raise money to grade and improve the "Soldiers' Lot" in Wyoming Cemetery, as set apart by the selectmen.

Voted, To raise three hundred dollars.

ART. 31. To see if the town will appropriate the sum of four hundred dollars to improve the Town Common, on petition of William N. Folsom and others.

Voted, To raise one hundred and fifty dollars.

ART. 32. To see if the town will remove a ledge on Upham street, near the schoolhouse, and appropriate money for the same.

Voted, To raise one hundred dollars, and that the selectmen be instructed to let out the contract of removing the ledge on Upham street to the lowest responsible bidder.

Voted, To adjourn to Saturday evening, March 23, at 7.30 o'clock.

Adjourned Meeting, March 23, 1889, 7.30 P. M.

ART. 34. To see if the town will refund to the Boston Rubber Shoe Company the sum of sixty dollars and eighty cents, the same being amount of taxes improperly assessed upon personal property belonging to said company in the years 1886 and 1887.

Voted, To refund the amount mentioned, which vote was afterward reconsidered and the article referred to a committee to examine as to the legal duty of the town in the premises.

Committee appointed : F. S. Hesseltine, A. V. Lynde.

ART. 35. To see if the town will build a sidewalk on Otis street and appropriate money for the same, on petition of B. L. J. Grady and others.

Voted, That the sidewalk be built in the same manner as other sidewalks are now built, the abutters to pay one-half the expense.

ARTS. 36 and 37.

Voted, To indefinitely postpone.

ART. 41.

Voted, That all the work for building roads, bridges, crossings, sidewalks, gutters and painting buildings be done by letting the same by contract to the lowest responsible bidder, after public notice.

Voted, That a committee be appointed to settle with the collector of taxes for the years 1885, 1886 and 1887. Committee appointed: George C. Stantial, Moses Briggs, Gilbert N. Harris.

ART. 38. To see if the town will raise money to remove the ledge on Vinton street, opposite the estate of S. E. Sewall, and otherwise improve said street, northerly.

Voted, To raise three hundred dollars.

ART. 39. To see if the town will accept the following streets, as laid out by the selectmen, viz.:

1. An extension from Mount Vernon street, easterly.
2. Street running from Wyoming avenue southerly to the proposed extension of Mount Vernon street.
3. Summer street as relocated, widened and also extended from its junction with Lynde street to Linwood avenue.

4. Street running southerly from Upham street to First street, now known as "Eleventh street."
5. An extension of First street, easterly.
6. Street running from First street to Grove street, now known as "Sixth street."
7. Street running from Upham street to First street, now known as "Eighth street."
8. An extension of Bellevue avenue, northerly from Porter street to Linden street.
9. Street running from the extension of Bellevue avenue to Porter street, now known as "Batchelder street."
10. Street running from Main street to the northerly end of Crystal Lake, thence to Melrose street, now known as "Crystal street."
11. Street running from Franklin street northerly to Greenwood street.
12. Street running from Woodland street westerly to West Hill avenue (so called), now known as "Botolph street."
13. Street running from Botolph street southerly to Franklin street, now known as "West Hill avenue."
14. Street running from Sargent street westerly to Cliff street (so called), now known as "Highland avenue."
15. Street running from Franklin street northerly to Highland avenue (so called), now known as "Pratt street."
16. Street running from Franklin street northerly to Highland avenue (so called), now known as "Cliff street."
17. Street running from Trenton street westerly, now known as "Russell street."

18. Street running from Russell street (so called) to Wyoming avenue, now known as "Wing street."

19. An extension of Charles street, northerly.

20. Street running from and returning to Vinton street, now known as "High street."

21. Street running from Main street easterly, by the entrance to Wyoming Cemetery, known as "Sylvan street," as widened and straightened.

ART. 40. To raise money for the building and grading of new streets which may be accepted at this meeting.

SECTIONS 1 AND 2. Reports withdrawn.

SEC. 3. (Summer street.)

Voted, To accept the street as widened, relocated and extended, said acceptance to take effect when the persons owning land within said lines shall have released to the town all claims for damages.

SEC. 4. (Eleventh street.)

Voted, To accept the street as laid out, said acceptance to take effect when the persons owning land within said lines shall have released to the town all claims for damages.

Voted, To raise one hundred dollars for the building and grading of the street.

Voted, That a committee be appointed to take into consideration the matter of changing the names of streets previously named, with special reference to those presented at this meeting for acceptance.

Committee appointed: F. E. Orcutt, Alfred Hocking, W. H. Roberts.

Voted, To accept the following streets as laid out by the selectmen, said acceptance to take effect when the persons

owning land within the lines described shall have released to the town all claims for damages :

SEC. 5. Accepted, called First street ; \$100 appropriated for building and grading same.

SEC. 6. Accepted ; \$200 appropriated.

SEC. 8. Accepted ; called Bellevue avenue ; \$300 appropriated.

SEC. 9. Accepted ; called Batchelder street ; \$200 appropriated.

SEC. 10. Accepted ; called Crystal street.

SEC. 11. Accepted ; called Woodland avenue.

SEC. 12. Accepted ; called Botolph street.

SEC. 13. Accepted ; called West Hill avenue.

SEC. 14. Accepted ; called Highland street ; \$300 appropriated.

SEC. 16. Accepted ; called Cliff street.

SEC. 17. Accepted ; called Russell street ; \$100 appropriated.

SEC. 18. Accepted ; called Adams street ; \$100 appropriated.

SEC. 19. (Charles street.) Not reported.

SEC. 20. Accepted ; called High street.

SEC. 21. (Sylvan street) accepted ; \$500 appropriated.

SECS. 7 and 15. *Voted*, To indefinitely postpone the acceptance of the streets now known as Eighth and Pratt streets.

Voted, That it is the sense of this meeting that Pratt street be laid out thirty feet in width and Eighth street (so called) thirty-five feet in width.

Report of committee appointed to settle with the collectors of taxes for the years 1881, 1882 and 1883; Received and accepted.

Voted, To adjourn sine die.

Meeting, April 22, 1889, 7 A. M.

ART. 1. To bring in votes, by ballot, to the selectmen for or against the following article of amendment of the constitution of this Commonwealth.

ARTICLE OF AMENDMENT.

“The manufacture and sale of intoxicating liquors to be used as a beverage are prohibited.

“The general court shall enact suitable legislation to enforce the provisions of this article.”

The form of the ballot to be as follows :

Amendment to the constitution. “Yes” or “No.”

Ballots furnished by the Commonwealth. Polls to be kept open until 4.30 P.M.

ART. 2. To choose a moderator to preside for the transaction of town business.

Levi S. Gould chosen as moderator.

Polls opened under Art. 1.

George Woodward appointed to distribute ballots in the affirmative, William T. Henney in the negative. John B. Souther and Robert S. Webster appointed as tellers, and sworn.

Voted, That the transaction of town business other than voting under this article be postponed to Thursday evening, April 25, at 7.30 o'clock, and that when this meeting adjourns it shall be to that time.

Result of the balloting. Amendment to the constitution.

YES.....	530
NO.....	352
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TOTAL VOTE.....	882

Adjourned Meeting, April 25, 7.30 P. M.

ART. 3. To see what action the town will take in relation to providing voting shelves or compartments, guard rail, etc., as required for elections after Nov. 1, 1889, by section 21, chapter 436, Acts of 1888; also in relation to making certain improvements in the offices and ante-rooms of the Town Hall building, and authorize the treasurer to borrow money for the same if necessary.

Voted, That the selectmen be authorized to introduce water into the ante-room on the second floor of the Town Hall building, at an expense not exceeding sixty dollars; also to provide voting shelves or compartments, guard rail, etc., as provided by law, the same to be paid out of the contingent appropriation.

Upon the request of the town treasurer, George Newhall, that a committee be appointed to examine into his accounts and doings in said office, it was voted that the request of the town treasurer be granted, that a committee of five be appointed by the moderator to examine all the books and accounts of the town treasurer, to ascertain fully about the town funds, how and where deposited, what is received for

the consideration of such deposits, and to recommend what action, if any, the town shall take as to designating a place for the deposit by the treasurer of all of the town funds.

Committee appointed : F. S. Hesseltine, Seth E. Benson, Nathaniel P. Jones, Frank E. Orcutt, George C. Stantial.

ART. 4. To see if the town will amend article 7 of the by-laws relating to the prevention of fires.

Voted, To amend the town by-laws by striking out in article 7, section 1, in the second line thereof, the words "two stories or more" and "height within," and adding to section 5 the words "and iron lintels shall be used instead of wood."

ART. 5. Relating to drains on Mount Vernon and Foster streets.

Indefinitely postponed.

ART. 6. Relating to sidewalk on Upham street. Referred to the selectmen to obtain estimates as to cost of building the same, and report at next meeting.

ART. 7. Relating to discontinuing Sixth and Eleventh streets as accepted at meeting March 23, 1889.

Voted, To discontinue the streets as laid out, and that it is the sense of this meeting that the selectmen lay out said streets thirty-five feet wide.

ART. 8. Laid on table.

ART. 9. To see if the town will authorize the treasurer to borrow money to complete the building of new streets accepted at the annual meeting, and to relieve any or all of the streets accepted at that meeting from restrictions regarding their acceptance.

Voted, That the restrictions regarding proposals for the building of Sylvan and Batchelder streets and for the extension of Bellevue avenue be annulled, and that the selectmen be authorized to build the streets with the appropriations already made and six hundred dollars in addition thereto, and that the treasurer be authorized to borrow the additional amount, viz.: six hundred dollars.

ART. 10. To see if the town will accept the following streets, as laid out by the selectmen, and authorize the treasurer to borrow money for the building or grading of the same, if necessary:

1. An extension of Mount Vernon street, easterly.
2. Street running from Wyoming avenue southerly to the proposed extension of Mount Vernon street.
3. Street running from Upham street to First street, now known as "Eighth street."
4. Street running from Franklin street northerly to Highland street, now known as "Pratt street."
5. Street running from Cottage street to Trenton street, now known as "Grundy street."
6. An extension of Third street, easterly.
7. An extension of Orris street from Warren street to street known as Walton Park and street running from said extension of Orris street to Natalie avenue (so called), which is now known as "Walton Park."

SEC. 1. Accepted, and called Mount Vernon street.

SEC. 2. Accepted, and called Brown street.

SEC. 3. Accepted, and called Eighth street.

SEC. 4. Accepted, and called Pratt street.

SEC. 5. Accepted, and called Grundy street.

SEC. 6. Accepted so far as shown on plan of the "Home Association Lands;" remaining portion to be accepted when built to the satisfaction of the selectmen. Treasurer authorized to borrow three hundred dollars, one-half to be expended on that part of the street already accepted, and the other half on the remainder of the street when the owners of land adjoining same shall have paid into the town treasury an equal sum, or expended upon the street its equivalent in labor and material to the satisfaction of the selectmen as before stated. Street to be called Third street.

SEC. 7. *Voted*, To accept the streets as laid out, and that the sums awarded for land damages on account of the widening of Orris street be paid out of the highway appropriation, viz.:

To William H. Greenleaf.....	\$ 86.80
Charles F. Jefts.....	199 90
R. A. Perkins.....	59.90

Said streets to be called Orris street and Walton park. C. W. Higgins tendered his check for the amount awarded William H. Greenleaf, viz., \$86.80, as per his agreement with the selectmen if the streets were accepted.

ART. 11. *Voted*, That a committee of five be appointed to consider the expediency of removing from the old burial ground on Main street the bodies now interred therein to Wyoming cemetery, said committee to report as to plans, methods, etc., at a future meeting, after public hearing to persons interested if deemed necessary. Committee appointed: J. S. Clark, J. O. Norris, J. B. Souther, George T. Brown, W. Irving Ellis.

REPORTS OF COMMITTEES.

The committee appointed to consider the matter of re-

funding certain taxes illegally assessed upon the Boston Rubber Shoe Company, submitted their report.

Accepted and adopted and treasurer authorized to refund sixty dollars and eighty cents, the amount claimed.

Report of committee on changing names of streets.

Accepted; action indefinitely postponed.

Report of committee appointed to examine into the affairs of the Water Department.

Read, accepted and ordered to be printed and circulated.

Voted, That when this meeting adjourns, it shall be to Monday evening, May 6, 1889, at 7.30 o'clock.

Voted, That the committee on drainage and sewage disposal for this town be requested to report in writing at the adjourned meeting, May 6, 1889, concerning matters before them, and that the town clerk be requested to notify the Legislature that the town desires to be heard further upon the matter.

Report of committee appointed March 11 to confer with the school committee as to what additional accommodations are needed for the schools located in the High School building.

Received, read and accepted.

Voted, To adjourn.

Adjourned Meeting, May 6, 1889, 7.30 P. M.

Report of committee appointed to consider the matter of drainage and sewage disposal.

Read and accepted.

Voted, "That we, in town meeting assembled, are opposed to the passage of the bill authorizing the 'North Metropolitan Sewerage System for the Mystic and Charles River

Valleys,' and that we ask that we may be heard upon the same, and that the representative of this town oppose, to the best of his ability, the passage of the bill, and that the Governor of the State, the President of the Senate and the Speaker of the House be notified that we are opposed to the bill and pray that it may not become a law, and that if we cannot be heard at this Legislature the matter be referred to the next General Court, so that we can be heard."

Vote confirmed by counting. Affirmative, 264; negative, 1.

Report of committee appointed to examine into the accounts and doings of the town treasurer.

Read and accepted.

Voted, That the recommendations contained in said report be adopted.

Voted, To adjourn to Monday evening, May 20, 1889, at 7.30 o'clock.

Meeting, May 20, 1889, 7.15 P. M.

ART. I. To choose a moderator.

Chose Levi S. Gould. (Fifty-fifth election.)

Voted, That this meeting be adjourned until the final adjournment of the meeting previously adjourned to 7.30 this evening.

Adjourned Meeting, May 20, 1889, 7.30 P. M.

Voted, That the summary of recommendations and all other recommendations of the committee appointed to investigate the affairs of the Water Department be taken up and acted upon seriatim.

Voted, That no permanent improvement or extension of

the system be undertaken without the authority of the town, and that hereafter the water commissioners do not extend street pipes, except when application is made, accompanied by a guarantee in the form annexed, signed and executed by a responsible person or persons, which shall secure to the town interest, at the rate of six per cent., on the expense of the construction of such extension, and that no construction in excess of five thousand dollars shall be performed in any one year, except by special vote of the town authorizing such excess.

[FORM.]

MELROSE WATER WORKS.**GUARANTEE.**

KNOW ALL MEN BY THESE PRESENTS, That....the undersigned, in consideration of the laying of water pipes by the town of Melrose, along the line of.....street, in the town of Melrose, Mass., so as to allow the inhabitants living on said street to be supplied with water from the Water Works of said Melrose, hereby agree to take water from said town, at the rates and under the regulations now or hereafter to be established for all takers thereof, and pay for the same to the extent of.....dollars per annum until such time as the revenue from the water takers connected with the water pipes so laid, at regular rates, shall equal six per cent. per annum upon their cost.

THIS AGREEMENT is to be in force, and payment of the rates aforesaid to the amount above stated is to be made as well, if the undersigned shall not by himself or his tenant introduce and use the water of the Water Works of the town of Melrose in and upon his premises on said street, as if he shall so do. Said rates to begin when the Water Commissioners of Melrose shall in writing notify the undersigned that they are ready to supply the inhabitants living on said street with water by connecting with said Water Works.

Witness....hand this.....day of.....A. D. 18

Signature,.....

Witness,.....

Voted, That the guarantees shall be definitely and legally drawn and signed by the petitioners before the work is commenced.

Voted, That the best interests of the town require a more economical management of the water department, and to this end that the salary of a superintendent to superintend the work of the department be fixed at eleven hundred dollars; that a registrar be employed to take charge of the book accounts and collections of the department, at a salary to Parker Merrill as such registrar of twelve hundred dollars per annum, and that the water commissioners reduce the expense of conducting and maintaining the business of the department wherever it is possible to do so with a proper efficient service.

Voted, That the water commissioners make a detailed report at the next town meeting what reduction and saving they have made in the administration of their department.

Voted, To adjourn *sine die*.

Adjourned Meeting, May 20, 1889, 10.15 P. M.

Meeting called to order immediately after the adjournment of other meeting, as per vote.

Voted, To adjourn to Thursday, May 23, 1889, at 7.30 o'clock P.M.

Adjourned Meeting, May 23, 1889, 7.30 P. M.

ART. 2. To see if the town will enlarge and improve the high school building and purchase land adjoining the same, or otherwise provide additional accommodations for the schools now located in the high school building, and authorize the treasurer to borrow money for the same.

Voted, That the school committee, with Joel Snow, Daniel J. Prior and Dr. J. S. Clark, be authorized to extend and reconstruct the high school building at an expense not

exceeding the sum of seven thousand five hundred dollars, and that the town treasurer be authorized to borrow money for the same. Unanimous vote.

Voted, To adjourn to Tuesday, May 28, at 7.30 o'clock.

Adjourned Meeting May 28, 1889, at 7.30 o'clock P.M.

ART. 9. To see if the town will build a sidewalk on the north side of Upham street from opposite the estate of N. P. Jones to East street, and authorize the treasurer to borrow money for the same.

Voted, That the selectmen be authorized to build said walk, and that the sum of three hundred and fifty dollars be appropriated for the same, and the treasurer authorized to borrow the amount.

ART. 10. To see if the town will pay to Susan M. Ireson the sum of one hundred dollars for land damages, and authorize the treasurer to borrow said amount.

Voted, That the sum of one hundred dollars be paid to Susan M. Ireson, from the highway appropriation, as damages for land taken for the widening of Swains Pond avenue.

ART. 5. To see if the town will lower the drain pipe on Mount Vernon street, and authorize the treasurer to borrow money for the same.

Voted, That the drain be lowered; \$150 appropriated for the same.

ART. 6. To see if the town will lay a drain from the outlet of catch-basin at the junction of Main and Foster streets to

Ell Pond brook, and authorize the treasurer to borrow money for the same.

Voted, That a drain be laid ; \$150 appropriated for same.

ART. 7. To see if the town will accept street now known as "Sixth street," as relaid out by the selectmen.

Voted, That the street, as laid out, be accepted and called Sixth street.

ART. 8. To see if the town will accept street now known as "Eleventh street," as relaid out by the selectmen.

Voted, That the street, as laid out, be accepted and called Eleventh street.

ART. 2. That portion of the article relating to the purchase of additional land in rear of High School building.

Considered and indefinitely postponed.

ART. 3. To see if the town will authorize the treasurer to issue water fund bonds for the purpose of paying the cost of construction for the current year, and to take any other action upon the report of the committee appointed to examine into the affairs of the Water Department as may be deemed advisable.

Voted, To accept and adopt the following recommendations of the committee :

That no pipe be hereafter laid of less than six inches in diameter except in short streets, courts or places.

That the water commissioners be requested to seriously consider the question of the merits of iron as compared with the cement lined pipe, the relative cost of the same, the relative cost of repairing, and all collateral expenses, and if

it should be found that the cement lined pipe is no better or cheaper than the iron pipe, then the manufacture of cement pipe to be discontinued.

That the labor account be accurately kept and divided between construction, maintenance and service, and so entered upon these several accounts at least once a month.

That nothing be charged to construction account except permanent improvements or actual expenses, including labor incurred in laying street mains, service pipe to street lines, hydrants and gates.

That service pipe laid from street lines to premises of water-takers be charged to service account, and moneys received from them be credited to same account, and not be treated as a source of revenue as heretofore.

That all salaries be charged to maintenance account.

ART. II.

Voted, That the vote whereby the selectmen were instructed to expend from the highway appropriation the sum of one thousand dollars for crushed stone be revoked, and that the matter be left to the discretion of the selectmen.

Voted, That the selectmen be authorized to build the streets accepted at this meeting, viz.: Sixth and Eleventh streets, with money already appropriated.

Voted, That the sum of one hundred dollars heretofore appropriated and directed to be paid to the City of Malden for services rendered by their Fire Department be paid into the Firemen's Relief Fund of said city. Daniel J. Prior having declined serving on committee appointed at last meeting (High School building), Charles W. Higgins was appointed to serve on said committee.

Voted, To adjourn *sine die*.

Meeting November 5, 1889, at 7 o'clock A.M.

ART. 1. To bring in votes to the selectmen for State and county officers, all to be voted for on one ballot in form and manner as prescribed by law. All ballots furnished by the Commonwealth and distributed by officers duly appointed. Polls to be kept open until 4.30 P.M.

Polls opened at 7 A.M.

ART. 2. To choose a moderator to preside for the transaction of town business.

Chose Levi S. Gould.

Voted, That the transaction of town business be postponed to Saturday evening next (Nov. 9), at 7.30, and that when this meeting adjourns it be to that time.

Gilbert N. Harris and Norman F. Hesseltine, previously appointed as inspectors, and Stephen A. Lovejoy and Curtis S. Gordon, also appointed as deputy inspectors, were duly sworn.

Samuel Webster, Charles M. Field, Charles W. Cochrane, John O. Hayes, John B. Souther, S. A. Lovejoy and C. S. Gordon were appointed as tellers.

Voted, To keep the polls open until sunset (4.32 P.M.)

Result of the voting as declared :

Total number of votes cast, 1,070.

For Governor.

	VOTES.
John Blackmer of Springfield	51
John Q. A. Brackett of Arlington	678
William E. Russell of Cambridge	326

For Lieutenant-Governor.

John W. Corcoran of Clinton	.	.	.	299
William H. Haile of Springfield	.	.	.	688
Benjamin F. Sturtevant of Boston	.	.	.	47

For Secretary of the Commonwealth.

George D. Crittenden of Buckland	.	.	.	43
William N. Osgood of Boston	.	.	.	262
Henry B. Peirce of Abington	.	.	.	729

For Treasurer and Receiver-General.

George A. Marden of Lowell	.	.	.	698
Edwin L. Munn of Holyoke	.	.	.	259
Frederick L. Wing of Ashburnham	.	.	.	49

For Auditor.

William H. Gleason of Boston	.	.	.	51
Charles R. Ladd of Springfield	.	.	.	696
William D. T. Trefry of Marblehead	.	.	.	257

For Attorney-General.

Allen Coffin of Nantucket	.	.	.	53
Elisha B. Maynard of Springfield	.	.	.	273
Andrew J. Waterman of Pittsfield	.	.	.	678

For Councillor, Sixth District.

Amos E. Hall of Everett	.	.	.	63
Byron Truell of Lawrence	.	.	.	666
Charles J. Williams of Acton	.	.	.	280

For District-Attorney, Northern District.

Patrick H. Cooney of Natick	.	.	.	716
Frank M. Forbush of Natick	.	.	.	122

For Sheriff.

Henry G. Cushing of Lowell	.	.	.	806
John Howard Nason of Woburn	.	.	.	76

For County Commissioner.

William S. Frost of Marlborough	.	.	.	671
Elmer D. Howe of Marlborough	.	.	.	51
John L. Hunt of Lowell	.	.	.	264

For Special Commissioners.

Francis N. Bardwell of Cambridge	.	.	.	54
George O. Byam of Chelmsford	.	.	.	236
Lyman Dike of Stoneham	.	.	.	663
Marcellus H. Fletcher of Lowell	.	.	.	250
Rufus H. Hapgood of Hudson	.	.	.	44
Edward E. Thompson of Woburn	.	.	.	619

For Commissioners of Insolvency.

George J. Burns of Ayer	.	.	.	656
James H. Carmichael of Lowell	.	.	.	247
Frederic T. Greenhalge of Lowell	.	.	.	653
George W. Heywood of Westford	.	.	.	240
John C. Kennedy of Newton	.	.	.	625
Henry C. Mulligan of Natick	.	.	.	222

For Senator, Sixth Middlesex District.

George M. Buttrick of Everett	.	.	.	56
John P. Deering of Melrose	.	.	.	337
Alonzo H. Evans of Everett	.	.	.	602

For Representative to the General Court, Eleventh Middlesex District.

William E. Barrett of Melrose	601
Moses Briggs of Melrose	177
Frank W. Lewis of Melrose	250
Gilbert N. Harris	1

Voted, To adjourn to time previously stated, viz.: Saturday, November 9, 1889, 7.30 P. M.

Adjourned Meeting, Nov 9, 1889, 7.30 o'clock P.M.

ART. 3. To see if the town will accept the jury list as revised.

List amended and accepted.

ART. 4. To see what action the town will take in relation to furnishing relief to needy soldiers and sailors and the widows of soldiers and sailors who served in the army or navy during the war of the rebellion, as provided by chapter 298 of the Acts of the year 1889.

Voted, That the sum of three hundred dollars be appropriated, and that the treasurer be authorized to borrow the same, to be expended as needed under the provisions of the act.

ART. 5. To see if the town will accept the provisions of law in relation to betterments, as embraced in chapter 169, Acts of 1869, chapter 382, Acts of 1871, and Public Statutes, chapter 51.

Voted, That the provisions of the statutes in relation to betterments, so far as they are applicable to towns, be accepted.

ART. 6. To see if the town will authorize the payment of certain necessary expenses in excess of the appropriations for the current year.

Voted, That the treasurer be authorized to borrow for the payment of certain necessary expenses the following sums, viz. :

Poor fund	\$1,000.00
Street lights	300.00
Salaries of town officers.....	700.00
Highways	500.00

ART. 7. To see if the town will change the names of the following streets to their former names, viz. : Gooch street to Fourth street ; Larrabee street to Fifth street ; Parker street to Seventh street ; Sewall street to Tenth street, by request of A. V. Lynde.

Indefinitely postponed.

ART. 8. To see what action the town will take in regard to the Metropolitan Sewerage bill passed by the last Legislature, or in the matter of sewerage in this town, by request of F. S. Hesseltine.

Indefinitely postponed.

ART. 9. To hear and act upon the report of the committee appointed to remodel the high school building.

Report read and accepted ; committee discharged.

ART. 10. To see what action the town will take in relation to erecting a building for the high school, the purchase of land for the same, and to authorize the treasurer to borrow such sum of money as deemed necessary, by request of the school committee.

Voted, That a committee consisting of the three male members of the school committee and six others, two each from Wyoming, Melrose centre and Melrose Highlands, be appointed by the moderator to procure plans, specifications and estimates for a high school building, to select two or more suitable lots of land from which the town may choose a location for the same, and to prepare a report for the action of the town at the next annual meeting in March.

Voted, That the treasurer of the town be authorized to borrow a sum not exceeding five hundred dollars for the use of said committee in carrying out the provisions of the above vote.

Committee appointed: J. O. Norris, J. C. Maker, C. F. Loring, Daniel Norton, William A. Smith, J. S. Clark, R. P. Barry, Moses Briggs, Joel Snow.

ART. 11. To see if the town will accept a street or way leading from Wyoming avenue northerly to Baxter street, as laid out by the selectmen.

Voted, That the street be accepted when the same shall be built and graded acceptable to the board of selectmen, and that it be called Sibley street.

ART. 12. To see if the town will properly drain the lower end of Cedar park, and authorize the treasurer to borrow money for the same, on petition of E. H. Goss, C. A. Merrill, C. H. Isburgh, S. E. Benson and others.

Voted, That the selectmen be instructed to employ an engineer to examine the premises and ascertain if the water cannot be taken in the direction of Wyoming depot on the west side of the railroad track, and that the treasurer be authorized to borrow one thousand dollars for the building of said drain if necessary.

ART. 13. To see if the town will authorize the water commissioners to expend for construction or for laying of street pipes an amount in addition to the sum authorized for the current year.

Voted, That the Water Commissioners be authorized to expend not exceeding two thousand dollars for the purposes of construction or the laying of street pipes, in accordance with instructions heretofore given.

ART. 14. Indefinitely postponed.

ART. 15. Indefinitely postponed.

ART. 16. To see if the town will put Woodland avenue in a proper condition and authorize the treasurer to borrow money for the same, on petition of M. W. Lester and others.

Voted, That the selectmen be authorized to lay a drain and that the treasurer be authorized to borrow five hundred dollars to pay the expense of said drain and grading the street.

ART. 17. To see if the town will grade a portion of Third street and appropriate or borrow money for the same.

Voted, That the selectmen be authorized to grade the street, and that the treasurer be authorized to borrow two hundred dollars therefor.

ART. 18. To see if the town will appoint a committee to consider and report at the next annual meeting the amounts necessary to be raised and appropriated for the year 1890.

Voted, That John W. Farwell, Seth E. Benson, Moses Briggs, F. W. Lewis, Daniel Norton, Addison Lane, A.

Eugene Upham, Henry A. Leonard and Moses S. Page be a committee to consider the amounts necessary to be appropriated for the year 1890, and report at the annual meeting,

ART. 19. To hear and act upon the reports of committees and for the transaction of any other business which may legally come before this meeting.

Voted, That the treasurer be authorized to pay all necessary expenses which may be incurred from January 1 to April 1, 1890, in anticipation of the annual appropriations of the year.

Voted, To adjourn *sine die*.

APPROPRIATIONS, 1889.

March 11.

*Schools, support of	\$23,000 00
*School contingent expenses	3,500 00
*Highways (\$1000 for crushed stone)	7,000 00
*Sidewalks (\$500 for repairs)	2,000 00
*Crossings and gutters	500 00
*Poor fund	5,000 00
*Street lights	4,000 00
*Additional street lamps	100 00
*Police and watchmen	4,000 00
*Contingent expenses (fire inquest \$416.88)	2,000 00
*Interest	5,000 00
Reduction of debt	5,000 00
Public Library, dog tax and	750 00
Board of Health	200 00
	<hr/>
	\$62,050 00

March 18.

Fire Department	3,385 00
Salaries.	3,025 00
*Drainage, bridges and culverts	1,000 00

For expenditures of 1888, as authorized by votes.

Maple street widening	\$508 00
Howard street sidewalk	200 00
Cedar Park drain	114 25
Franklin street drain	614 00
Sidewalk, Wyoming avenue	356 44
Drainage Com'tee expenses	250 00
Main street widening	3,200 00
	<hr/>

\$5,242 69

*And unexpended balance of previous year.

Military aid	\$300 00
Insurance	1,000 00
Town Hall, running expenses	600 00
Memorial Day	200 00
Soldiers' lots, "Wyoming"	300 00
Town common	150 00
Ledge, Upham street	100 00

\$77,352 69

March 23.

Ledge, Vinton street	\$300 00
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NEW STREETS.

Eleventh street	\$100 00
First street	100 00
Sixth street	200 00
Bellevue avenue extension	300 00
Batchelder street	200 00
Highland street	300 00
Russell street	100 00
Adams street	100 00
Sylvan street	500 00

\$1,900 00

Total \$79,552 69

Treasurer authorized to borrow and pay:

April 25.

Sylvan street, Batchelder street and Bellevue avenue (additional)	\$600 00
Third street (extension)	300 00
Taxes refunded	60 80

\$960 80

May 23.

Remodelling High School building . . . \$7,500 00

\$75.00 expended, committee discharged.

May 28.

Upham street sidewalk \$350 00

Foster street drain 150 00

Mount Vernon street drain 150 00

Nov. 9.

Relief to soldiers 300 00

Poor fund (additional) 1,000 00

Street lights " 300 00

Salaries " 700 00

Highways " 500 00

High School Building Committee . . . 500 00

Cedar Park drain 1,000 00

Woodland avenue drain 500 00

Third street 200 00

 \$14,110 80

STATISTICS OF BIRTHS, MARRIAGES AND DEATHS FOR THE YEAR 1889.

	Births.	Marriages.	Deaths.
January	19	5	8
February	15	4	13
March	16	3	17
April	21	10	14
May	9	2	12
June	14	13	8
July	16	7	13
August	23	3	10
September	26	7	8
October	13	17	7
November	12	11	8
December	22	8	10
	<hr/> 206	<hr/> 90	<hr/> 128

BIRTHS.

Number registered	206
More than last year	42
Males	108
Females	98
	<hr/> 206

Of the above number 198 were born in Melrose and 8 were born in other places.

Born of American parents	105
of foreign parents	52
of American father and foreign mother	30
of foreign father and American mother	19
	<hr/> 206

INTENTIONS OF MARRIAGES RECORDED.

Whole number of couples	89
Both parties residing in Melrose	41
But one party residing in Melrose	47
Neither " " " "	1
	<hr/> 89

MARRIAGES.

Whole number	90
More than last year	11
Both parties American	55
Both parties foreign	20
Parties American and foreign	15
	<hr/> 90
First marriage of persons	154
Second marriage of persons	26
	<hr/>
180—90 couples.	

DEATHS.

Whole number registered	128
Non-residents included in the above number	4
Had residence in Melrose, died elsewhere	5
Males (married)	22
Females (married)	24
Widows	20
Widowers	3
Males (single)	7
Females (single)	9
Male children	25
Female children	18
	<hr/> 128

Under one year (still-born or premature birth 10) 24

From 1 to 5	.	.	.	.	.	.	14
5 " 10	.	.	.	.	.	.	1
10 " 20	.	,	.	.	.	.	7
20 " 30	.	.	.	.	.	.	11
30 " 40	.	.	.	.	.	.	14
40 " 50	.	.	.	.	.	.	10
50 " 60	.	.	.	.	.	.	7
60 " 70	.	.	.	.	.	.	22
70 " 80	.	.	.	.	.	.	13
80 " 90	.	.	.	.	.	.	5

128

COMPARATIVE STATEMENT OF BIRTHS, DEATHS AND MARRIAGES REGISTERED, ALSO OF POPULATION, IN MELROSE DURING THE YEARS 1880 TO 1889, INCLUSIVE.

	Deaths.	Marriages.	Births.	Population.
1880	62	33	73	4443
1881	70	43	95	4508
1882	83	53	114	4739
1883	78	59	129	5071
1884	80	56	132	5607
1885	120	66	150	6110
1886	100	80	168	6536
1887	96	68	155	7073
1888	123	79	164	7535
1889	128	90	206	7821

REGISTRATION OF VOTERS, 1889.

Males.

Total number, as per last report	1,521	
Registered previous to March meeting :		
Feb. 21	2	
27 afternoon session	1	
" evening "	5	8
		<hr/>
		1,529
April 17, registered	10	
		<hr/>
		1,539

Registered and restored previous to November meeting :

Oct. 17	30	
24	44	
30	70	144
		<hr/>
		1,683

Erased on account of

Deaths	19	
Removals	25	
Non-payment of taxes, 1888--1889	163	207
		<hr/>
		1,476
Added on election day	4	
Total		1,480

Females.

Total number, 1888	114	
Registered during the year:		
Feb. 21	4	
27 afternoon	14	
" evening	2	20
		<hr/>
		134

Erased on account of

Removals	.	.	.	.	.	.	.	3	
Death	.	.	.	.	.	.	.	1	4
Total	.	.	.	.	.	.	.		<u>130</u>

JURORS DRAWN DURING THE YEAR.

Feb. 28.	George A. Mansfield.
	Augustus H. Heath.
May 21.	William Dempsey.
	William E. Gould.
Oct. 15.	George H. Ricker.
	Deering P. Merrill.

MILITARY LIST.

Number of persons liable to do military duty, as reported by the assessors	1492
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DOG LICENSES.

Total number issued	561
For males	500	
“ females	59	
							<u>559</u>	
Breeders' licenses	2	561
Issued to E. H. Moore, one at	.	.	.	.	.	\$50.00		
George H. Snowden, one at	.	.	.	.	.	25.00		
Paid county treasurer, June 1, 1889,	.	.	.	.	.	\$725.40		
“ “ “ Nov. 25, 1889,	.	.	.	.	.	532.40		
						<u>\$1,257.80</u>		
Increase in receipts over last year	.	.	.	.	.	\$97.80		

Number of orders drawn upon the town treasurer, on bills approved by the selectmen, as required by section 4, article 2, town by-laws, 2,997, for the sum of \$91,260.30.

Respectfully submitted,

JOHN LARRABEE, *Town Clerk.*

FINANCIAL STATEMENT.

SUPPORT OF SCHOOLS.

TEACHERS' SALARIES.

Alonzo G. Whitman (High School), 10 mos.	\$2,000 00
A. A. Ballou, " "	800 00
Clarimond Mansfield, " "	625 00
Hattie G. Ricker, " "	625 00
Harriet C. Fairbanks (First Grammar), "	1,000 00
Effie C. Sweetser, 4 mos.	220 00
Mary W. French, 6 mos.	330 00
Lucy W. Bisbee, 4 mos.	240 00
Alice M. Swett, 9 mos.	540 00
" " " 1 mo.	65 00
Lydia Mendum, 2 mos.	110 00
" " 8 mos.	480 00
Susan D. Melcher, 10 mos.	550 00
Helen J. Barrett, 6 mos.	330 00
Louise E. Sanborn, 3 mos., 1 wk.	178 75
Emma F. Brown, 3 wks.	41 25
Mary J. George, 10 mos.	500 00
Kate W. Bascom, "	510 00
Belle Mitchel, "	500 00
Lillie J. Davis, "	500 00
Alma J. Guptill, "	500 00
Effie C. Sweetser, 6 mos.	330 00

Amount carried forward, \$10,975 00

<i>Amount brought forward,</i>	.	.	.	\$10,975 00
Alice H. Long, 10 mos.	.	.	.	500 00
Emma A. Weeks, "	.	.	.	450 00
Mary A. Plummer, "	.	.	.	450 00
Lucy F. Dermot, "	.	.	.	500 00
Isabel Chapin, "	.	.	.	500 00
Della H. Crosby, 6 mos.	.	.	.	300 00
Mary I. Hersey, 2 mos., 2 wks., 2 dys.	.	.	.	130 00
Amelia Trowbridge, 1½ mos.	.	.	.	67 50
Gertrude Smith, 6 mos., 6 dys.	.	.	.	283 50
Della H. Crosby, 3 mos., 2½ wks.	.	.	.	181 50
Mary E. Nye, 9 mos.	.	.	.	405 00
Emma L. Randlett, 10 mos.	.	.	.	500 00
Annie M. Ransom, "	.	.	.	450 00
Annie B. Chadbourne, 2 mos.	.	.	.	90 00
" " " 8 mos.	.	.	.	400 00
Marion H. Morgan, 10 mos.	.	.	.	450 00
Florence M. Perry, "	.	.	.	450 00
Florence M. Ellis, "	.	.	.	500 00
Elizabeth Creveling (drawing), 4 mos.	.	.	.	140 00
Wallace Bryant " 6 mos.	.	.	.	135 00
Harry Benson (music), 3 mos.	.	.	.	105 00
" " " 7 mos.	.	.	.	280 00
				<hr/>
				\$18,242 50

JANITORS' SALARIES.

F. M. McLaughlin, High School building, 1 mo.	\$27 00
W. J. Boyce, " " 11 mos.	297 00
Chas. H. Fuller, Franklin " " 1 yr.	234 97
Felix Blanchard, Vinton street building and Grove street building, 2 mos.	87 50
Felix Blanchard, Vinton street building and Grove street building, 10 mos.	500 00
<hr/>	
<i>Amount carried forward,</i>	\$1,146 47

FINANCIAL STATEMENT.

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<i>Amount brought forward,</i>		\$1,146 47
Eri Upham, Upham street, 1 yr.		60 00
Joseph S. Emerson, Fells, 1 yr.		99 96
W. F. Serrat, Lynde street, 4 mos.		20 00
“ “ “ “ 8 mos.		66 64
John Davis, Ripley, 1 yr.		60 00
William Boyd, Highlands, 3 mos.		15 00
		<hr/>
		\$1,468 07

SCHOOL COMMITTEE'S SALARIES, 1889-90.

John O. Norris, chairman		\$200 00
Charles F. Loring		50 00
John C. Maker		50 00
Mrs. S. W. Bradbury		50 00
“ A. K. Miller		50 00
“ A. B. P. Waterhouse		50 00
		<hr/>
		\$450 00

SCHOOL SUPPLIES.

Mrs. A. K. Miller, distributing agent		\$125 04
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FUEL.

S. E. Benson, coal and wood		\$1,125 65
C. B. & F. H. Goss, coal		749 20
J. McCarthy's Sons, charcoal		21 25
John McCarty “		12 50
		<hr/>
		\$1,908 60

RECAPITULATION.

Teachers' salaries		\$18,242 50
Janitors' “		1,468 07
		<hr/>
<i>Amount carried forward,</i>		\$19,710 57

<i>Amount brought forward,</i>	.	.	.	.	\$19,710 57
Committee's salaries	.	.	.	.	450 00
Supply agent, salary	.	.	.	.	125 04
Fuel	.	.	.	.	1,908 60
					<hr/>
					\$22,194 21

CONTRA.

Appropriation March 11, 1889	\$23,000 00	
Unexpended balance, 1888	8 85	
Rec'd from Commonwealth of Mass.	39 87	
	<hr/>	
	\$23,048 72	
Unexpended balance		854 51
		<hr/>
		\$23,048 72

SCHOOL CONTINGENT EXPENSES.

EXPENDED.

Books, Stationery, Supplies, Etc.

Interstate Publishing Company	.	.	.	.	\$11 30
George S. Perry	.	.	.	.	58 52
D. Appleton & Co.	.	.	.	.	20 87
Thompson, Brown & Co.	.	.	.	.	27 11
Oliver Ditson & Co.	.	.	.	.	22 77
Willard Small	.	.	.	.	3 00
The Prang Educational Company	.	.	.	.	15 52
Frost & Adams	.	.	.	.	2 50
A. S. Barnes & Co.	.	.	.	.	23 04
George F. King & Merrill	.	.	.	.	107 55
Pulsifer, Jordan & Pfaff	.	.	.	.	98 40
D. C. Heath & Co.	.	.	.	.	44 69
					<hr/>
<i>Amount carried forward,</i>	.	.	.	.	\$435 27

<i>Amount brought forward,</i>		\$435 27
Cassell & Co.		56 00
A. A. Waterman & Co.		13 97
Ginn & Co.		22 72
Van Antwerp, Bragg & Co.		16 80
Carl Schoenhof		28 68
A. C. Stockin		73 93
Leach, Shewell & Sanborn		260 21
White, Smith & Co.		3 00
Houghton, Mifflin & Co.		11 31
Wallace Bryant		4 50
William Ware & Co.		16 98
J. L. Hammett		51 90
Maynard & Noyes		18 75
Western Publishing House		30 00
Charles H. Kilborn		8 75
Silver, Burdett & Co.		3 00
Edward E. Babb & Co.		12 40
Robert Burlen		57 90
Boston School Supply Company		52 38
E. H. Butler & Co.		316 98
Charles R. Magee		50
F. M. Ambrose		19 35

\$1,515 28

General Repairs, Buildings, etc.

(Carpenters, Masons, Painters and others, Stock and Labor.)

F. R. Spear & Co., painting		\$106 80
George W. Dew, " "		380 65
William A. Fernald, steam fitting		7 00
J. L. Holbrook, repairs, plumbing		6 07

Amount carried forward, . . . \$500 52

<i>Amount brought forward,</i>	\$500 52
A. W. Lynde, loam and labor	10 25
A. Burrell, painting and glazing	273 55
Melrose Water Commissioners	22 35
H. D. Trask & Co., repairs furnaces, etc.	342 36
J. C. Howes, " " "	45 06
J. P. Deering, lumber	12 48
John Hunnewill, carpenter, stock and labor	236 27
O. E. Drown, " " "	✓ 136 11
W. Emery & Co., windows	47 40
James Rendall, carpenter	17 58
E. N. Sargent, "	1 50
D. R. Woodward, "	33 05
Perry Bros., hardware	25 00
W. A. Caswell, glazing	6 60
L. M. Ham & Co., fire escape	141 81
Town of Melrose, sidewalk, 79.8 yards	11 97
Edwin Rogers, signal box 44	35 00
J. N. Patterson, whitening and repairs	15 00
R. Philpot, building bulkhead	23 00
A. J. Wilkinson & Co., rubber strips	15 61
	<hr/>
	\$1,952 47

Furniture.

Thomas Trefry & Co.	\$34 67
Winchester Furniture Company, desks	169 00
J. H. Gately, shades	9 00
	<hr/>
	\$212 67

Printing.

Leonard F. Williams, advertisement	50
Dunton & Potter, reports, notices, etc.	38 00
W. B. Howe, cards, etc.	20 75
	<hr/>

Amount carried forward, \$59 25

<i>Amount brought forward,</i>	\$59 25
J. H. Daniels, diplomas	26 85
Babb & Stephens, programmes	16 50
	<hr/>
	\$102 60

Sundries.

Lappen Bros., brushes, dusters, etc..	\$37 25
Effie C. Sweetser, filling diplomas	7 70
M. A. Bush, cleaning clocks	4 00
G. P. Reed, 1 clock and cleaning	9 50
R. Philpot, removing contents of cesspool	7 00
W. E. Locke, labor, etc.	1 50
C. G. Harris, ribbon for diplomas	13 63
F. A. H. Norcross, expressing	15
S. O. Eldridge, expressing	5 60
W. J. Boyce, labor	51 30
Felix Blanchard, labor	6 25
Thomas Ireland, cleaning clocks	3 00
Thomas T. Bailey, cleaning clocks	2 00
C. W. Ellison, P. M., stamps	1 72
J. F. Ramsay, tuning pianos	4 00
Daniel M. White, tuning pianos	7 50
L. T. Freeman, teaming settees	6 50
Bugbee & Barrett, sundries	1 35
Thomas Cassell, manure	6 00
American Express Company	55
Eastman's Express	26 50
Cunningham's Express	65
Frost & Hawes, sundries	1 03
George W. Bartlett, teams	11 00
F. M. McLaughlin, services, truant officer	5 00
C. H. Fuller, labor	5 25
	<hr/>
<i>Amount carried forward,</i>	\$225 93

<i>Amount brought forward,</i>	.	.	.	.	\$225 93
Jacob Lehmann, tuning piano	.	.	.	.	2 50
Melrose Orchestral Club, services	.	.	.	.	20 00
A. E. Worthen, taking tickets	.	.	.	.	1 00
Warren A. Rodman, preliminary sketches for alteration of High School building	.	.	.	.	75 00
Walter C. Stevens, surveying	.	.	.	.	4 00
John Larrabee, chloride lime	.	.	.	.	30
L. W. Gilman, sundries	.	.	.	.	77
W. E. Gerry, sundries	.	.	.	.	65
					<hr/>
					\$330 15

RECAPITULATION.

Books, stationery, supplies, etc.	.	.	.	.	\$1,515 28
General repairs	.	.	.	.	1,952 47
Furniture	.	.	.	.	212 67
Printing	.	.	.	.	102 60
Sundries	.	.	.	.	330 15
					<hr/>
					\$4,113 17

Contra.

Appropriation, March 11, 1889	.	.	.	.	\$3,500 00
Balance unexpended, 1888	.	.	.	.	621 25
					<hr/>
					\$4,121 25
Balance unexpended	.	.	.	.	8 08
					<hr/>
					\$4,121 25

FIRE DEPARTMENT.

EXPENDED.

Contingent Expenses.

Cornelius Callahan Co., 300 feet 2½ inch hose	\$180 00
J. P. Deering, lumber	8 48
A. B. Pierce, distributing notices	5 00
J. C. Howes, repairs and sundries	19 35
J. M. Holbrook, pail, sponge and ladder	2 03
“ “ care of fire alarm	40 00
Edwin Rogers, repairs and supplies	40 15
Edwin Rogers and W. E. Dacrow, repairs and supplies	59 80
Globe Electric Co., repairs and supplies	13 00
Eastman's Express	1 65
J. W. Emerson, trimming trees	2 00
A. J. Morse & Son, nozzles, etc.	7 38
Lemuel Merrill, keys	3 50
John Singer, Jr., sundries	12 70
W. A. Goodno, stock and labor	12 50
Bugbee & Barrett, sundries	5 10
Samuel Lear, cash paid for sundries	49 27
W. T. Howard, care of Endeavor engine	5 00
Cunningham's Express	1 50
Perry Bros., hardware	3 25
Walter B. Ellis, concreting	99 07
Malden Firemen's Relief Fund, per vote of town	200 00

Engineers, for Services.

A. W. Lynde	\$35 00
Walter B. Ellis	35 00
Samuel Lear	35 00
	<hr/>
	\$105 00
	<hr/>
	\$875 73

Liberty Bigelow Hook and Ladder Company, No. 1.

Services of men, 1 year.

William H. Stewart	\$35 00	
John H. Edwards	35 00	
Josiah Tyzzer	35 00	
William A. Lynde	35 00	
Joseph Edwards	35 00	
Thomas B. Johnson	35 00	
David O. Parker	35 00	
F. M. McLaughlin (3 mos.)	8 75	
J. E. Richardson (9 mos.)	26 25	
Benjamin Ames	35 00	
Frank H. Tyzzer	35 00	
Joseph P. Roberts	35 00	
Charles Lakin	35 00	
Dexter Wiswell	35 00	
Thomas Kelly	35 00	
O. E. Drown (3 mos.)	8 75	✓
W. J. Pulsifer (9 mos.)	26 25	
W. A. Caswell (3 mos.)	8 75	
Andrew McDonald	14 58	
Benjamin F. Perry	35 00	
Henry Robertson	35 00	
William E. Johnson	35 00	
H. H. Boerum	35 00	
	<hr/>	\$688 33
W. A. Lynde, steward, 1 year	40 00	
S. E. Benson, wood	1 75	
Joseph Edwards, repairing ladder, etc.	2 05	
Harry Stevens, horses to fires	41 00	
	<hr/>	84 80
		<hr/>
		\$773 13

Russell Hose Company No. 1.

Services of men, 1 year.

J. M. Holbrook	\$35 00	
Harry R. Norton	35 00	
J. Waldo Emerson	35 00	
W. Truman Howard	35 00	
Thomas J. Hawkes	35 00	
Redford M. Rand	35 00	
Thomas B. Stantial	35 00	
George N. Bartlett	35 00	
Arthur L. Upham	35 00	
Alden B. Smith	35 00	
George E. Burnham	35 00	
S. A. Bartlett	35 00	
	<hr/>	\$420 00
W. T. Howard, steward, 1 year . . .	40 00	
Malden and Melrose Gas Light Co.,		
12,800 cubic feet gas	25 60	
Seth E. Benson, wood and coal . . .	87 25	
G. W. Bartlett, horses to fires . . .	32 00	
	<hr/>	\$184 85
		<hr/>
		\$604 85

N. D. Blake Hose Co., No 2.

Services of men, 1 year.

Robert Gibbons, Jr.	\$35 00	
Frank Gibbons	35 00	
Frank Gibbons, Jr.	35 00	
J. R. Gibbons	35 00	
William Fanley	35 00	
Edward Stantial	35 00	
Arthur H. Armington	35 00	
Fred. W. Simpson	35 00	
W. H. Hutchinson	29 17	
J. C. Sanborn.	17 50	
H. W. Simpson	17 50	
Philip Buchanan	35 00	
John M. Hamlin	29 17	
	<hr/>	\$408 34

Frank Gibbons, 1 year	\$40 00	\$408 34
L. W. Gilman, rent of rooms, 15 mos.	187 50	
Malden and Melrose Gas Light Co., 14,700 cubic feet of gas	29 40	
Seth E. Benson, wood and coal	29 00	
James Marshall, " " "	26 88	
Joseph Edwards, iron and wood work	17 50	
Hose Co., paid for horses to fires	22 00	
	<hr/>	\$352 28
		<hr/>
		\$760 62

Highlands Hose Company, No. 3.

Services of men, 1 year.

Fred Churchill	\$35 00	
C. F. W. Fogg	8 75	
Edwin F. Jones	11 73	
Edward P. Fuller	35 00	
George E. Fogg	11 73	
Elmer Abbott	35 00	
George E. Fuller	35 00	
Frank Story	35 00	
Charles H. Fuller	35 00	
L. D. Newhall	35 00	
F. A. Hadley	35 00	
J. H. Berry	17 50	
T. Porter	11 67	
George N. Cass	5 84	
J. H. Cash	5 84	
	<hr/>	\$353 06
G. E. Fogg, steward, 5 months	\$13 33	
Frank Story, " 7 "	26 67	
J. Singer, Jr., sundries	9 45	
S. E. Benson, wood and coal	51 75	
W. A. Caswell, glazing	90	
S. A. Robinson & Co., horses to fires	22 00	
	<hr/>	\$124 10
		<hr/>
		\$477 16

RECAPITULATION.

Contingent expenses	\$875 73
Liberty Bigelow H. & L. Company No. 1	773 13
Russell Hose Company No. 1 . .	604 85
N. D. Blake Hose Company No. 2 .	760 62
Highland Hose Company No. 3 . .	477 16
	<hr/>
	\$3,491 49

Contra.

Appropriation, Mar. 18, 1889 .	\$3,385 00	
Amount voted Malden fire dept. 1888	100 00	
Balance from last year . .	7 61	
Balance unexpended . . .	I 12	
	<hr/>	<hr/>
	\$3,492 61	\$3,492 61

SUPPORT OF POOR.

For Groceries, Provisions, Supplies, Etc.

L. F. Hinckley	\$612 89
Bugbee & Barrett	134 84
L. W. Gilman	74 81
W. H. Wells	39 00
Warren C. Pierce	30 59
George U. Barker	68 76
W. E. Gerry	42 41
Worthen & Goodridge	328 88
A. E. Gates	24 00
A. E. Reekie, milk	23 19
A. G. Worthen, "	10 71
F. W. Favor, "	3 78
S. O. Eldridge	12 00
Frank Gibbons	6 00
J. A. Dill, bread	86 89
	<hr/>
	\$1,498 75

For Support of Insane.

Worcester Lunatic Hospital	\$338 92
Commonwealth of Mass. (Danvers Hospital)	273 92
Danvers Lunatic Hospital	876 82
Westboro' Insane Hospital	76 14
Worcester Insane Asylum	41 32
Northampton Lunatic Hospital	90 69
	<hr/>
	\$1,697 81

Burial Expenses.

A. B. Pierce	\$144 00
John H. Gately	21 00
	<hr/>
	\$165 00

Fuel.

James Marshall	\$101 59
W. E. Locke	7 50
C. B. & F. H. Goss	97 86
S. E. Benson	178 31
	<hr/>
	\$385 26

Medical Attendance, Medicines and Nursing.

F. H. Morse, M.D., attendance	\$28 00
A. M. Selee, " "	10 00
E. S. Jack, " "	17 00
C. E. Prior, " "	32 00
J. S. Clark, " " (1888 and 1889)	69 00
Estate of J. V. Smith, M.D., attendance	57 43
John Larrabee, medicines	33 99
J. H. Draper, "	6 13
Jane Kingston, nursing	25 00
A. M. Babcock, "	20 00
	<hr/>

Amount carried forward, \$298 55

Amount brought forward, \$298 55

J. G. Emerson, care of sick 10 00

✓ O. E. Drown, " " 7 00

R. M. Rand, " " 4 00

M. W. Howard, " " 22 14

Mrs. Annie E. Giles, " " 16 57

Mrs. C. A. Day, " " 49 42

Joshua Ford, " " 16 00

C. E. Ford, " " 23 43

\$447 11

Outside Relief.

Town of Methuen \$15 00

City of Lynn 10 75

Boston 172 60

Malden 409 42

Brockton 147 20

\$754 97

Board and Clothing.

St. Vincent's Asylum \$36 00

E. J. Barron, 1 year 156 00

S. M. McLoon, 25 weeks 6 days 77 59

Mary Clark, 26 " 2 " 78 88

Massachusetts School for Feeble-Minded.

Board 1 year \$169 43

Clothing 1 year 14 38 183 81

Mary D. Gibbs, 53 weeks 106 00

H. M. Phillips, 13 " 52 00

C. S. Jones, 6 " 24 00

" 42 " and 5 days 128 16

Kate Gallagher, 52 weeks 104 00

George A. Bisbee, 27 weeks and 2 days 88 67

\$1,035 11

Rents.

B. R. Upham, 37 weeks	\$55 50
John E. McGlinn, 13 months	104 00
M. D. Brooks, 14 months	70 00
C. O. Stickney, 3 months	18 00
John W. Cobb, 1 year	48 00
H. A. Leonard, 10 months	120 00
Chas. A. Larrabee, 11 months	143 00
George W. Farnsworth, 4 months	32 00
	<hr/>
	\$590 50

Sundries.

Isabella Nelson, cash allowance	\$45 00
J. C. Howes, range	15 10
O. E. Drown, care of insane and expenses	13 22
Manning Bros., dry goods	9 13
C. G. Harris, "	4 94
Hurd & Balfour, "	33 32
H. G. Fields, boots and shoes	299 62
" cash and expenses	6 70
Samuel Tilden & Son, printing order book	8 00
George W. Bartlett, teams	10 00
Eastman's Express	4 00
	<hr/>
	\$449 03

RECAPITULATION.

Groceries, provisions, etc.	\$1,498 75
Insane, support of	1,697 81
Burial expenses	165 00
Fuel	385 26
Medical attendance, etc.	447 11
Outside relief	754 97
Board and clothing	1,035 11
Rents	590 50
Sundries	449 03
	<hr/>
	\$7,023 54

FINANCIAL STATEMENT.

85

Amount brought forward, \$7,023 54

CONTRA.

March 11, 1889. Appropriation . \$5,000 00
 Unexpended balance . . 175 99

RECEIPTS.

Estate of Peter Edgerly . . . 83 57
 E. M. Marshall, guardian . . . 85 42
 City of Malden . . . 48 00
 " Boston . . . 10 28
 Town of Middleton . . . 325 65
 " Rockland . . . 69 00
 " Wenham . . . 260 67
 Commonwealth of Massachusetts . 77 96

\$6,136 54

Nov. 9, 1889. Appropriation (addit'l) 1,000 00

\$7,136 54

To credit of fund 113 00

\$7,136 54

HIGHWAYS.

EXPENDED.

For Labor and Teams.

Prices paid per day: Superintendent, \$2.50; Laborers, \$1.76;
Teams, \$1.50.

For labor performed under direction of James Marshall, as superintendent, pay rolls have been presented and paid as follows:

<i>For Superintendent</i>			<i>For Teams</i>		<i>For Laborers</i>	
Month.	No. Days.	Amount.	No. Days.	Amount.	No. Days.	Amount.
Jan.	3	\$7 50	12	\$18 00	24	\$42 24
"	6	15 00	9	13 50	21	36 96
Feb.	2	5 00	7½	11 25	5½	9 68
March	2	5 00	8	12 00	16	28 16
"	5¾	14 37	12	18 00	30½	53 68
April	10	25 00	50	75 00	101¾	179 08
"	13	32 50	92	138 00	213½	375 76
May	13	32 50	79	118 50	269	473 44
"	10¼	25 62	81½	122 25	217	381 92
June	12¼	30 62	102	153 00	244	429 44
"	11	27 50	66	99 00	213	374 88
July	11½	28 75	40½	60 75	185¼	326 03
"	13	32 50	53	79 50	224	394 25
Aug.	12	30 00	38½	57 75	145¾	256 52
"	13½	33 75	28½	42 75	160¼	282 04
Sept.	9½	23 75	21	31 50	112	197 12
"	11½	28 75	20½	30 75	161½	284 24
Oct.	12	30 00	33	49 50	160¼	282 04
Nov.	13	32 50	28½	42 75	114	200 64
"	11½	28 75	22¼	33 38	114¼	201 08
<hr/>		<hr/>	<hr/>		<hr/>	<hr/>
195¾		\$489 36	804¾		\$1,207 13	2,732½ \$4,809 20

Under direction of Calvin Locke and Charles Boardman:

—For Laborers—				—For Teams—			
April,	35½ days,	\$62 48.		18	days,	\$27 00	
“	59½ “	104 72.		32	“	48 00	
May,	58½ “	102 96.		29	“	43 50	
“	74¾ “	131 56.		31¼ “		46 87	
June,	76¼ “	134 20.		32½ “		48 75	
“	18¾ “	33 00.		9½ “		14 25	
July,	38½ “	67 76.		17	“	25 50	
“	78¾ “	138 60.		24¾ “		37 12	
Aug.,	61½ “	108 24.		15	“	22 50	
“	49¼ “	86 68.		19	“	28 50	
Sept.,	57½ “	101 20.		15½ “		23 25	
“	42½ “	74 80.		17½ “		26 25	
Nov.,	63½ “	111 76.		22	“	33 00	
714¾		\$1,257 96.		283		\$424 49	
Paid Calvin Locke, for services, 100½ days at \$2.25							
per day						\$226 09	
For laborers furnished, 57½ days at \$1.76 per day,						101 20	
For teams, 100 days at \$1.50 per day.						149 99	
						\$477 28	

For Gravel.

Frank Gibbons.....	260 loads at	5 cents,	\$13 00
Josiah H. Currier.....	68	" 10 "	6 80
Boston & Maine R. R. Co..	2,685	" 5 "	134 25
E. H. Russell.....	15	" 10 "	1 50
Luther P. Whipple.....	104	" 8 "	8 32
John W. Hunnewill, agent..	600	" 10 "	60 00
Eri Upham.....	25	" 10 "	2 50
William N. Folsom.....	100	" 5 "	5 00
William N. Folsom.....	655	" 10 "	65 50
G. W. Farnsworth, agent...	531	" 10 "	53 10
George W. Chipman.....	80	" 10 "	8 00
A. W. Lynde (carted and spread).....	105	" 30 "	31 50
W. B. Ellis (carted and spread).....	960	" 30 "	288 00
<hr/>			
Total.....	6,193		\$677 47

Sundries.

Ames Plow Co., shovels	\$10 26
Perrin Seamans & Co., post spoon shovels	1 95
Joseph Edwards, repairs on snow scraper	7 65
A. Burrell, glazing	2 50
J. P. Deering, lumber,	63 50
George W. Sampson, forcite and caps	16 61
Fuller, Dana & Fitz, drills and hammers	19 08
J. O. Chandler, sharpening tools	34 90
A. McBeth, " "	12 50
J. P. Wood, " "	2 10
H. C. Richardson, watering streets	12 00
C. B. & F. H. Goss, drain pipe	11 97
Bugbee & Barrett, sundries (tools, nails, powder)	17 32
J. H. Berry, rolling streets	2 50
S. E. Benson, cement and sleepers	10 80
Harry Stevens, expressing	1 10
Walter B. Ellis, clearing snow	19 50
A. W. Lynde, " "	9 78
William Story, labor and team	8 47
Robert Philpot, labor, teams and gravel on High- land and Pratt streets	143 75
Walter B. Ellis, labor and team	2 38
	<hr/>
	\$410 62

Orris Street.

John Duff, building street, as per contract	\$385 00
Charles F. Jefts, land damages, 1,999 feet at 10 cts.	199 90
Wm. H. Greenleaf, land damages, 868 feet at 10 cts.	86 80
	<hr/>
	\$671 70

Surveying.

Walter C. Stevens, surveys, plans, specifications, contracts and establishing grades for First, Sixth, Eighth, Eleventh, Batchelder, Russell, Adams, Pratt, Cliff, Highland, Botolph, Vin- ton, Orris, Gooch and other streets; also, Bellevue and Woodland avenues and Walton Park	\$262 00
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RECAPITULATION.

Labor and teams.

Under superintendence of James Marshall.

Laborers, 2,732½ days @ \$1 76	\$4,809 20
Teams, 804¾ " @ \$1 50	1,207 13
Supt., 195¾ " @ \$2 50	489 36

Under direction of Calvin Locke and
Charles Boardman.

Laborers, 714¾ days @ \$1 76	1,257 96
" 57½ " " "	101 20
Teams, 283 " " 1 50	424 49
" 100 " " 1 50	149 99
Calvin Locke, services, 100½ days @ 2 25 . .	226 09

\$8,665 42

Gravel, 6,193 loads	677 47
Sundries	410 62
Orris street, building and land damages . .	671 70
Walter C. Stevens, surveying	262 00

\$10,687 21

CONTRA.

Appropriations.

March 11, 1889.	Highways	\$7,000 00
	Bellevue avenue extension	300 00
	Batchelder street . . .	200 00
	Sylvan "	500 00
	Eleventh "	100 00
	Sixth "	200 00
	First " extension	100 00
		<hr/>
		\$8,400 00
Balance unexpended, 1888		55

Receipts.

W. N. Folsom, for labor, etc.	\$54 72
J. C. Pulsifer, 275 loads filling @ 15 cents . . .	41 25
A. W. Dunton, 100 " " " " . . .	15 00
C. W. Higgins, for payment of land damages . .	86 80
	<hr/>
	\$8,598 32

Treasurer authorized to borrow and selectmen to expend, by vote of the town, the expense for all of which has been paid from this department.

Sylvan and Batchelder streets	\$600 00	
Third street	300 00	
Upham street sidewalk	350 00	
Mt. Vernon street drain	150 00	
Highways, additional	500 00	
Third street, grading	200 00	2,100 00
		<hr/>
		\$10,698 32
Balance to credit of fund	\$11 11	

SIDEWALKS.

Price paid for concrete, as per contract, awarded to lowest bidder: Sidewalks, 28 cents; crossings, 32 cents; gutters, 30 cents; top dressing, 12 cents; tar wash, 5 cents, per square yard; grading, 2 cents per square yard, for walks, crossings and gutters.

EXPENDED.

C. L. Hoffman, for laying 5,535.4 yards at 30 cents (including grading)	\$1,660 63
For laying 484.2 yards at 28 cents	135 58
For top dressing, 415.15 yards at 12 cents	498 20
For patching	60
	<hr/>
	\$2,295 01

Sundries.

Walter B. Ellis, setting edgestone.

Corner Vinton and Emerson streets	\$15 00
Winthrop, Willow, Essex and Lebanon streets, 462 feet at 10 cents per foot	46 20
Corner Wyoming avenue and Main street, 200 feet at 10 cents per foot	20 00
Main street, opposite M. E. Church, 145 feet at 10 cents per foot	14 50
Walter B. Ellis, one-half expense of lay- ing 286 yards concrete at 30 cents per yard	42 90
	<hr/>
	\$138 60

Robert Philpot, setting edgestone.

Hillside avenue, 86 feet at 10 cents per foot	\$8 60
Cedar Park, 170.6 feet at 10 cents per foot	17 05
Blasting rocks (Cedar Park)	5 00
	<hr/>
	\$30 65

Amount carried forward, \$2,464 26

<i>Amount brought forward,</i>	.	.	.	.	\$2,464 26
Walter C. Stevens, surveying walks	.	.	.	.	\$98 00
Daniel McDonald, granite step	.	.	.	.	2 00

For Labor and Teams.

Superintendent, 8½ days at \$2.50	.	.	.	\$21 25
Teams, 8½ days at \$1.50	.	.	.	12 75
Laborers, 27½ days at \$1.76	.	.	.	48 40
				<u>\$82 40</u>
				\$2,646 66

Contra.

Appropriation, March 11, 1889	.	.	.	\$2,000 00
Unexpended balance, 1888	.	.	.	6 60
Received from owners or occupants of abutting estates for one-half ex- pense of laying concrete	.	.	.	651 26
				<u>\$2,657 86</u>
Balance unexpended	.	.	.	\$11 20
				<u>\$2,657 86</u>

Bills are due for concrete laid during the year, which if unpaid May 1, will be assessed upon the estates with the taxes of 1890, as follows :

O. E. Hawes, Second street, 46.4 yards	.	.	.	\$6 96
Dexter Bryant, Emerson street, 65.6 yards	.	.	.	9 84
Sarah E. Paine, " " 69.9 "	.	.	.	10 49
E. J. H. Trask, corner Grove and Lebanon streets, 41.7 yards	.	.	.	16 97
Estate S. W. Nichols, Otis street, 153 yards	.	.	.	22 95
Elmer P. Sargent, Franklin " 173 "	.	.	.	25 95
Ida L. and Mary Hallett, Otis st., 65.3 yds.	.	.	.	9 80
				<u>\$102 96</u>

WYOMING AVENUE SIDEWALK.

Appropriation, March 18, 1889	\$356 44
Expended in 1888, as shown in last report	\$266 85
J. N. Lombard, for 28.9 perch of retaining wall on north side of Spot Pond brook, the same being one-half of wall laid adjacent to Wyoming avenue, at \$3.10 per perch	89 59
	<hr/> \$356 44

CROSSINGS AND GUTTERS.

Appropriation, March 11, 1889	\$500 00
Balance unexpended, 1888	1 81
	<hr/> \$501 81

EXPENDED.

C. L. Hoffman, 431.2 yards concrete crossings (including grading) at 34 cents	\$146 60
1,031.3 yards concrete gutters (including grading) at 32 cents	329 99
66.4 yards top dressing at 12 cents	7 97
	<hr/> \$484 56
Walter C. Stevens, surveying	10 00
	<hr/> \$494 56
Balance unexpended	\$7 25
	<hr/> \$501 81

TOWN HALL.

Appropriation March 18, 1889, for expenses	\$600 00
Balance unexpended 1888	30 12
	<hr/>
	\$630 12

RECEIPTS FOR USE OF HALL.

Melrose Republicans Committee	\$20 00
F. S. Hesseltine	20 00
St. Bridget's Society	135 00
Pastime Club	35 00
Melrose Cycle Club	34 90
Methodist Church	8 00
Prof. Morris' Combination Show	45 00
Melrose Fire Department	15 00
Melrose Orchestral Club	25 00
Melrose Lodge I. O. O. F.	35 00
Lawn Tennis Club	32 00
Mrs. Wilkins' Benefit	30 00
Miss Sigrid Lunde	20 00
Melrose Athletic Club	15 00
Melrose Base Ball Club	15 00
Amendment Campaign Committee	10 00
Universalist Society	30 00
Women's Christian Temperance Union	10 00
Wide Awakes	10 00
Trinity Church and St. Andrew's Chapter	115 00
U. S. Grant Relief Corps	15 00
Melrose Lyceum 1888-1889	300 00
	<hr/>
	\$974 90
From Melrose Savings Bank, rent of room	\$150 00
From F. M. McLaughlin for use of lock-up (court fees)	25 00
Joseph Edwards, rent of land	10 83
	<hr/>
	\$185 83
	<hr/>
	\$1,790 85

EXPENDED.

Malden and Melrose Gas Light Co., 374,900

cubic feet of gas	\$749 80
J. C. Howes, plumbing and repairs	9 86
William A. Jeffs, plumbing	60 00
C. L. Hoffman, repairing concrete	1 96
S. E. Benson, 50 tons coal @ \$6.25 (1888)	325 00
C. B. & F. H. Goss, 20 tons @ \$6.00 (1889)	120 00
Bugbee & Barrett, sundries	1 02
Geo. F. King & Merrill, book	25
John Larrabee, alcohol and sponge	2 85
A. & E. Burton & Co., floor brushes and dusters	5 50
✓ O. E. Drown, janitor, one year	300 00
“ “ labor and stock	10 00
George W. Dew, painting	116 00
Thomas S. Love, building fence	10 55
J. P. Deering, lumber	11 79
Nathaniel Wright, washing floors	3 00
Jerome T. Smith, labor	3 25
Harry Stevens, moving piano and booths	20 00
Robert Philpot, removing cesspool contents	6 50
J. H. Edwards, sharpening lawn mower	1 50
Perry Bros., lawn mower and hardware	15 51
John Lahey, charcoal	3 50
Ames Plow Co., wheelbarrow	4 00

 \$1,781 84

Balance unexpended	9 01
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 \$1,790 85

CONTINGENT EXPENSES.

Appropriation March 11, 1889 (\$416 88 for fire inquest included)	\$2,000 00
Balance unexpended	12 58

RECEIPTS.

For auctioneers' licenses.

S. A. Lovejoy	\$2 00
C. W. Ellison	2 00
	<hr/>
	\$4 00

Commonwealth of Massachusetts, from Cattle Commissioners	4 00
	<hr/>
	\$2,020 58

EXPENDED.

J. L. Fairbanks & Co., book for assessors . . .	\$4 50
Babb & Stephens, assessors' and collector's books	21 75
L. B. Wilder & Co., printing tax bills . . .	25 00
Dunton & Potter, 1800 reports (1888) . . .	273. 00
“ “ printing voting lists, posters, notices and advertising	183 55
L. F. Williams, printing and advertising . .	26 25
W. B. Howe, “ “ . . .	79 19
T. W. Ripley, book for inspector of buildings .	6 00
Dexter Pratt, cash paid men for services at for- est fires	4 15
John Davidson, labor at forest fire . . .	2 25
Geo. F. King & Merrill, stationery, etc . .	25 66
P. D. Meston, binding reports . . .	8 00
H. C. Dimond & Co., rubber stamps . . .	8 00
Geo. B. Sargent & Son, “ “ . . .	16 25
	<hr/>
<i>Amount carried forward,</i>	\$683 55

<i>Amount brought forward,</i>		\$683 55
A. B. Pierce, serving warrants and services		116 00
J. A. Dill, lunch election day		15 00
Robert Burlen, binding and mounting street surveys		31 20
Mrs. Mary O. Fuller, set of town reports, 1850-1888		10 00
C. W. Ellison, P.M., stamps		14 30
Geo. Newhall, cash paid for stamps		6 00
Water Commissioners, stand-pipes for watering streets		67 31
C. F. Loring, legal services and expenses presenting amendment to by-laws		10 00
A. V. Lynde, Esq., legal services prosecuting liquor cases		40 00
F. S. Hesseltine, Esq., legal services Harriman vs. Melrose	250 00	
Cash paid witnesses	21 04	271 04
F. L. McIntosh, M.D., returning births, 1888		1 25
F. H. Morse, M.D., " " "		6 50
A. M. Selee, M.D., " " "		6 50
E. L. Warren, M.D., " " "		25
John Dike, M.D., " " "		50
E. S. Jack, M.D., " " "		4 00
J. S. Clark, M.D., " " "		6 50
C. C. Odlin, M.D., " " "		5 00
H. C. Williams, M.D., " " "		2 75
Peleg Wadsworth, M.D., " " " & 1889		1 25
J. Garfield, M.D., " " " & 1889		75
A. B. Pierce, returning 75 deaths, 1889		18 75
Town of Tewksbury, burial of soldier		10 00
W. A. Caswell, 1 pair pants destroyed by prisoner		7 00

Amount carried forward, \$1,335 40

<i>Amount brought forward,</i>	.	.	.	.	\$1,335 40
C. E. Prior, M.D., services	.	.	.	.	2 00
Daniel McDonald, boundary posts	.	.	.	.	23 60
J. S. Austin, carriage hire	.	.	.	.	13 00
W. W. Boardman, carriage hire	.	.	.	.	4 00
John Larrabee, services, clerk of selectmen, 1888					25 00
“ “ compiling reports, 1888	.	.	.	.	50 00
“ “ collecting, recording and indexing births, deaths and marriages, 1888	.	.	.	.	108 15
H. B. Newhall, posting notices	.	.	.	.	8 25
O. E. Drown, labor on guide boards, etc.,	.	.	.	.	3 75
Eldridge's Express	.	.	.	.	20
Eastman's Express	.	.	.	.	1 50
Robinson & Co., expressing	.	.	.	.	35
George Woodward, distributing ballots	.	.	.	.	3 00
William T. Henney “ “	.	.	.	.	3 00
F. M. McLaughlin, ringing bell	.	.	.	.	5 33
I. C. Weeks, “ “	.	.	.	.	4 67
O. E. Drown, “ “	.	.	.	.	6 00
Henry M. Meek, tally sheets	.	.	.	.	2 00
The Boston Herald Co., advertising	.	.	.	.	4 50
					<hr/>
					\$1,603 70

EXPENSES OF FIRE INQUEST.

John W. Pettengill, Esq., Judge	.	.	.	.	\$52 60
E. M. Ransom, Clerk	.	.	.	.	63 60
F. M. McLaughlin, Constable	.	.	.	.	28 62
					<hr/>
					\$144 82

Furors.

Geo. W. Burke	.	.	.	.	.	\$36 96
John Miller	.	.	.	.	.	36 96
Addison Lane	.	.	.	.	.	36 96
Henry A. Leonard	.	.	.	.	.	36 96
George W. Dew	.	.	.	.	.	36 96
George Newhall	.	.	.	.	.	36 96
						<hr/>
						\$221 76
						<hr/>
<i>Amount carried forward,</i>	.	.	.	.	.	\$366 58

<i>Amounts brought forward,</i>	.	.	.	\$366 58	\$1,603 70
Witnesses' fees	.	.	.	31 30	
Engineers of Fire Dep't	.	.	.	19 00	
				<hr/>	\$416 88
Total	.	.	.	.	\$2,020 58

HEALTH DEPARTMENT.

Appropriation, March 11, 1889	.	.	.	.	\$200 00
Balance unexpended, 1888	.	.	.	.	110 83
					<hr/>
					\$310 83

EXPENDED.

✓ O. E. Drown, services, fumigating, etc.	.	.	.	.	\$8 00
John Larrabee, sulphur	.	.	.	.	30
Bugbee & Barrett, chloride lime	.	.	.	.	30
Robert Philpot, removing contents of vaults, etc.	.	.	.	.	36 00
Dunton & Potter, printing and advertising	.	.	.	.	17 00
W. B. Howe, printing and advertising	.	.	.	.	27 20
F. M. McLaughlin, services	.	.	.	.	6 50
J. S. Austin & Co., carriage hire	.	.	.	.	6 00
J. H. L. Anderson, carriage hire	.	.	.	.	12 00
W. W. Boardman & Co., carriage hire	.	.	.	.	4 25
					<hr/>
					\$117 55
Balance unexpended	.	.	.	.	193 28
					<hr/>
					\$310 83

STATE AID.

Received from State on account of amount paid during the year 1888	\$645 00
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PAID DISABLED SOLDIERS AND DEPENDENT RELATIVES DURING
YEAR 1889.

William Story,	1 year	\$48 00
Daniel D. Penney,	"	.	.	.	.	.	48 00
Sarah Barrett,	"	.	.	.	.	.	48 00
Mary F. Howard,	7 mos.	.	.	.	.	.	28 00
Maria G. Colson,	1 year	.	.	.	.	.	48 00
Helen E. Poole,	"	.	.	.	.	.	48 00
Alvin Drake,	"	.	.	.	.	.	36 00
Charles H. Young,	2 mos.	.	.	.	.	.	8 00
Mary E. Young,	5 mos.	.	.	.	.	.	20 00
Benjamin F. Gibbs,	1 year	.	.	.	.	.	48 00
Rebecca H. French,	"	.	.	.	.	.	48 00
John H. Guild,	"	.	.	.	.	.	24 00
William B. York,	"	.	.	.	.	.	48 00
Moses P. Mitchell,	"	.	.	.	.	.	48 00
William Boyd,	"	.	.	.	.	.	36 00
Daniel G. Pinkham,	6 mos.	.	.	.	.	.	36 00
George W. Babcock,	9 mos.	.	.	.	.	.	27 00
Bridget Dolan,	7 mos.	.	.	.	.	.	28 00
Lydia J. Bryant,	"	.	.	.	.	.	28 00
William F. Irwin,	3 mos.	.	.	.	.	.	18 00
							<hr/>
							\$721 00

MILITARY AID.

[One-half refunded by the State.]

Received from State on account of aid paid in	
1888	\$267 50
George W. Grover, one year	48 00
Lawrence Reardon, " "	96 00
Horace W. Stevens, " "	72 00
<hr/>	
Amount carried forward,	\$216 00

FINANCIAL STATEMENT.

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<i>Amount brought forward,</i>	\$216 00
Benjamin F. York, 8 months	40 00
William A. Johnson, 3 months	24 00
Edwin H. Downing, one year	.	.	.	.	72 00
Paschal E. Burnham, one year	.	.	.	.	132 00
Josiah York, 2 months	.	.	.	.	16 00
Loami G. Davis, one year	.	.	.	.	60 00
					<hr/>
					\$560 00

INSURANCE.

Appropriation	.	.	.	.	.	\$1,000 00
Unexpended Balance 1888	.	.	.	.	.	22 12
						<hr/>
						\$1,022 12

EXPENDED.

J. L. Hanaford & Co.	.	.	.	\$262 50
Westgate & Johnson	.	.	.	262 50
R. B. Leighton	.	.	.	281 25
Geo. M. M'Coy	.	.	.	232 50
				<hr/>
				\$1,038 75
Deficit	.	.	.	\$16 63

LAND DAMAGES.

Susan M. Ireson for land taken for the widening of Swains Pond avenue in 1888, as per vote of town	\$100 00
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TAXES REFUNDED.

Boston Rubber Shoe Company, amount of taxes improperly assessed upon personal property belonging to said corporation	\$60 80
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STREET LIGHTS.

Appropriation, March 11, 1889	\$4,000 00
Unexpended balance, 1888	710 87
Nov. 9, 1889, treasurer authorized to borrow . .	300 00
	<hr/>
	\$5,010 87

EXPENDED

Malden Electric Light Company.	
26 arc lights, 1,200 candle power, one year . .	\$2,604 00
40 incandescent lights, 25 candle power . .	720 00
	<hr/>
	\$3,320 04
Wheeler Reflector Company, for lighting and care of 147 to 151 lamps, 11 months . .	\$1,516 61
J. C. Howes, repairing lantern	1 75
	<hr/>
	\$4,838 40
(Bill of Wheeler Reflector Co. for December not presented.)	
Balance unexpended	172 47
	<hr/>
	\$5,010 87

ADDITIONAL LAMPS.

Appropriation March 11, 1889	\$100 00
Balance unexpended, 1888	64 85
	<hr/>
	\$164 85

EXPENDED.

Wheeler Reflector Company, ten iron posts and frames . . .	\$87 50	
Three iron posts and frames . . .	30 00	
Eastman's Express, teaming posts and frames	4 00	
	<hr/>	\$121 50
Balance unexpended		43 35
		<hr/>
		\$164 85

MEMORIAL DAY.

Appropriation March 18, 1889	\$200 00
Paid commander of U. S. Grant Post, No. 4, G.A.R., for decoration and care of soldiers' graves	200 00

STATE AND COUNTY TAXES.

Paid state treasurer, state tax of 1889	\$5,880 00
Paid county treasurer, county tax of 1889	4,558 50

HIGH SCHOOL BUILDING COMMITTEE.

Paid committee's order to David L. Webster, on account of bond for land for a building	\$100 00
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POLICE AND NIGHT WATCH.

Appropriation	\$4,000 00
Balance unexpended, 1888	95 35
Received from F. M. McLaughlin, court fees	48 00
	<hr/>
	\$4,143 35

EXPENDED.

Price paid, 25 cents per hour of Service Rendered.

F. M. McLaughlin, chief	\$712 75	
H. B. Newhall	137 17	
O. E. Drown	✓ 535 61	
C. F. W. Fogg	693 58	
W. A. Caswell	684 28	
C. H. Fuller	45 95	
R. M. Rand	66 29	
Jerome T. Smith	587 71	
Samuel Lear	7 00	
D. T. Stockwell	9 12	
A. W. Lynde	9 75	
Henry Barron	7 00	
	<hr/>	\$3,496 21

Sundries.

J. P. Deering, lumber	\$3 53	
O. E. Drown, meals to prisoners	21 00	
“ care of lock-up	25 00	
“ material and labor for lockers	41 00	
S. A. Robinson & Co., carriage	2 00	
M. S. Page & Co., clock	5 00	
H. A. Winship & Co., belts	9 00	
J. P. Lovell Arms Company, handcuffs and twisters	17 50	
A. W. Mitchell, badges	4 50	
D. Evans & Co., coat buttons	7 08	
J. C. Howes, lanterns	1 50	
F. M. Holmes Furniture Co., desk	23 00	
Lemuel Merrill, padlock keys	1 25	

<i>Amounts carried forward,</i>	<hr/>	\$161 36	\$3,496 21
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<i>Amounts brought forward,</i>	.	.	\$161 36	\$3,496 21
W. B. Howe, printing	.	.	4 50	
Frost & Hawes, crackers	.	.	1 53	
Jeremiah Casey, white washing lock-up			2 25	
George W. Bartlett, teams	.	.	48 50	
Richard J. Hiatt, use of boat	.	.	1 15	
			<hr/>	\$219 29
				<hr/>
				\$3,715 50
Balance unexpended	.	.		427 85
				<hr/>
				\$4,143 35

FOSTER STREET DRAIN.

May 28, 1889. Treasurer authorized to borrow . \$150 00

EXPENDED.

A. W. Lynde, furnishing and laying pipe, as per
agreement \$150 00

UPHAM STREET LEDGE.

Appropriation March 18, 1889 \$100 00

EXPENDED.

A. W. Lynde, removing ledge, as per bid \$87 00
W. C. Stevens, surveying 12 00

\$99 00

Balance unexpended \$1 00

REMODELLING HIGH SCHOOL BUILDING.

W. A. Rodman, services as architect for committee \$75 00
Treasurer authorized to borrow \$7,500 00

TOWN COMMON.

Appropriation March 18, 1889	\$150 00
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EXPENDED.

A. W. Lynde, labor and teams	148 00
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Balance unexpended	\$2 00
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RELIEF TO SOLDIERS.

Nov. 9, 1889. Treasurer authorized to borrow	\$300 00
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EXPENDED.

Worthen & Goodridge, groceries, etc.	\$20 00
S. E. Benson, wood and coal	6 50
John Larrabee, knee cap	3 00
	29 50

Balance unexpended	\$270 50
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CEDAR PARK AND WOODLAND AVENUE DRAINS

Nov. 9, 1889. Treasurer authorized to borrow.	
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Cedar Park drain	\$1,000 00
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Woodland avenue drain	500 00
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	\$1,500 00
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EXPENDED.

W. C. Stevens, surveying, plans and specifications	45 00
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Balance unexpended	\$1,455 00
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TOWN OFFICERS' SALARIES.

Appropriation March 18, 1889	\$3,025 00
Balance unexpended, 1888	71 57
Nov. 9. Treasurer authorized to borrow . .	700 00
	<hr/>
	\$3,796 57

EXPENDED.

F. E. Orcutt, auditor, 1888	\$25 00
G. N. Harris, " "	25 00
W. I. Nickerson, " "	25 00
Alfred Hocking, registrar of voters, 1888 . .	25 00
Walter Babb, " " "	25 00
Victor C. Kirmes, " " "	25 00
John Larrabee, " " "	25 00
Henry G. Fields (chairman) overseers of poor .	200 00
John Singer, Jr., overseer of poor	50 09
Martha D. Bale, " "	50 00
John R. Norton, assessor (on account) . .	100 00
Albon W. Parker, "	150 00
Charles W. Cook, "	150 00
Board of assessors, for clerical services, 1888 .	50 00
" " " " " 1889	300 00
Levi S. Gould, selectman	200 00
John P. Deering, "	200 00
Chas. W. Higgins, "	200 00
John Larrabee, town clerk	300 00
George Newhall, town treasurer	500 00
Parker Merrill, collector, 1888	147 85
" " " 1889	300 70
J. C. Howes, collector, 1881	10 29
" " " 1882	6 93
" " " 1883	17 92

Amount carried forward, \$3,108 69

<i>Amount brought forward,</i>	.	.	.	.	\$3,108 69
M. F. Eastman, collector, 1885	.	.	.	.	130 00
“ “ “ 1886	.	.	.	.	30 00
“ “ “ 1887	.	.	.	.	240 00
James Marshall, forest fire ward, 1888	.	.	.	.	15 00
Henry Barron, “ “	.	.	.	.	15 00
Dexter Pratt, “ “	.	.	.	.	15 00
Calvin Locke, “ “	.	.	.	.	15 00
Chase C. Worthen “ “	.	.	.	.	15 00
					<hr/>
					\$3,583 69
Balance unexpended	.	.	.	.	212 88
					<hr/>
					\$3,796 57

DRAINAGE, BRIDGES AND CULVERTS.

Appropriation March 18, 1889	.	.	.	.	\$1,000 00
Balance unexpended, 1888	.	.	.	.	14 40

RECEIPTS.

Edward McKenna, for drain pipe	.	\$9 00
John Duff, catch basin and freight	.	7 60
Walter B. Ellis, catch basins “	.	15 17
		<hr/>
		31 77
		<hr/>
		\$1,046 17

EXPENDED.

T. R. Newhall, 80 feet bridge stone	.	\$21 60
W. C. Stevens, surveying	.	27 00
E. L. Whittier, labor on Ell Pond and		
Spot Pond brooks and culverts	.	173 40
Boston and Maine Railroad, freight on		
catch basins , . . .	.	4 83
Burrell & Swett, drain pipe	.	62 10
		<hr/>
<i>Amount carried forward,</i>	.	\$288 93

<i>Amount brought forward,</i>						\$288 93
H. W. Clapp & Co., catch basins.						
1—No. 24 base and grate	\$10	80				
2—No. 20 " "	18	00				
13—No. 18 " "	93	60				
						<hr/>
						122 40
J. P. Deering, lumber						20 67
John Duff & Co., labor						8 20
C. B. & F. H. Goss, drain pipe						109 03
A. W. Lynde,						94 80
Berry & Ferguson						27 49
For labor and teams.						
Superintendent, 14 days @ \$2 50	\$35	00				
Laborers, 133 days @ \$1 76	234	08				
Teams, 33½ days, @ \$1 50	50	25				
						<hr/>
						319 33
J. O. Chandler, sharpening tools						34 20
						<hr/>
						\$1,025 05
Balance unexpended						21 12
						<hr/>
						\$1,046 17

PUBLIC LIBRARY AND READING ROOM.

Appropriation, March 11, 1889	\$750 00
Balance unexpended, 1888	4 89

RECEIPTS.

From county treasurer, dog tax for 1888	\$1,090 96
Carrie M. Worthen, librarian, catalogues, fines, etc.	64 52
	<hr/>
	\$1,910 37

EXPENDED.

Books, Papers, Etc.

George H. Walker & Co.	. . .	\$15 00
Cupples & Hurd	. . .	13 69
T. A. Renshaw, agent	. . .	12 50
Henry C. Nash	. . .	15 00
A. H. Roffe & Co.	. . .	130 60
E. A. Powers	. . .	4 00
Willard Small	. . .	5 00
E. Whitefield	. . .	10 00
DeWolfe, Fiske & Co.	. . .	399 31
Houghton, Mifflin & Co.	. . .	11 00
D. Appleton & Co.	. . .	60 00
Macmillan & Co.	. . .	5 85
Ginn & Co.	. . .	3 00
Little, Brown & Co.	. . .	5 25
William Cushing	. . .	15 00
A. E. Wells	. . .	25 00
Publishers' Weekly	. . .	6 00
George M. Smith & Co.	. . .	2 75

 \$738 95
Sundries.

P. D. Meston, binding books	. . .	\$184 90
W. B. Howe, printing	. . .	18 70
Dunton & Potter, printing	. . .	40 00
George F. King & Merrill, sundries	. . .	3 95
Library Bureau, sundries	. . .	11 36
Whidden, Curtin & Co., matting, etc.	. . .	25 85
Burrell & Swett, door checks and stops	. . .	23 61
R. B. Leighton, insurance	. . .	5 28
Westgate & Johnson, insurance	. . .	78 75

Amounts carried forward, . . . \$392 40 \$738 95

<i>Amounts brought forward,</i>	\$392 40	\$738 95
Eastman's Express	10 75	
George B. Sargent & Son, dating stamp	7 00	
Babb & Stephens, printing cards	6 00	
Henry E. Murch, marble tablet	17 50	
Clark & Smith, ash lumber	18 13	
J. P. Deering, lumber	4 03	
William A. Fernald, gas pipe and fittings	17 85	
O. E. Drown, care of rooms, 15 months	125 00	
Carrie M. Worthen, librarian, 1 year	425 00	
“ “ 3 months	108 75	
“ sundries furnished	26 77	
	<hr/>	\$1,159 18
		\$1,898 13
Balance unexpended		12 24
		<hr/>
		\$1,910 37

DAMAGES.

Mrs. Jennie G. Fox, in settlement for injuries received by fall on Franklin street	\$175 00
Jackson Locke, Carrie M. Locke and Nellie A. Locke, in settlement for injuries received by fall, near corner of Green and Short streets	100 00
	<hr/>
	\$275 00

HIGHLAND STREET.

Appropriation, March 23, 1889 \$300 00

EXPENDED.

Robert Philpot, grading street, as per bid	\$265 00
“ extra labor	21 00
W. C. Stevens, surveying	14 00
	<hr/>
	\$300 00

SOLDIERS' LOTS, "WYOMING."

Appropriation, March 18, 1889	\$300 00
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EXPENDED.

Teams, 38 days at \$1.50 per day . .	\$57 00
Laborers, 138 days at \$1.76 per day .	243 00
	<hr/>
	\$300 00

DRAINAGE COMMITTEE.

Appropriation, March 18, 1889	\$250 00
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EXPENDED.

Expense of committee to Coney Island and East Orange, N. J., to examine sewage disposal works	66 20
	<hr/>
Balance unexpended	\$183 80

RUSSELL AND ADAMS STREETS.

Appropriations, March 23, 1889:	
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Russell street	\$100 00
Adams street	100 00
	<hr/>
	\$200 00

EXPENDED.

Robert Philpot, building streets, as per bid	\$180 00
Extra labor and material furnished .	20 00
	<hr/>
	\$200 00

VINTON STREET LEDGE.

Appropriation	\$300 00
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EXPENDED.

Robert Philpot, removing ledge and grading street, as per bid . . .	\$285 00
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W. C. Stevens, surveying	10 00
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	<u>\$295 00</u>
Balance unexpended	5 00

	<u>\$300 00</u>
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MAIN STREET WIDENING.

Appropriation March 18, 1889	\$3,200 00
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Received from county treasurer, amount awarded by county commissioners	600 00
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	<u>\$3,800 00</u>
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EXPENDED.

Paid in 1888, as per last report	\$1,625 00
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W. C. Stevens, re-locating and testing . . .	17 00
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C. B. & F. H. Goss, 60 feet 18 inch drain pipe .	53 33
--	-------

E. McKenna & Co., balance on account of con- tract (paid in 1888 \$500 00)	2,050 00
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E. McKenna & Co., extra labor	25 00
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	<u>\$3,770 33</u>
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Balance unexpended	29 67
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	<u>\$3,800 00</u>
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WATER FUND.

CR.

January, 1888. To the credit of account . . .	\$6,564 80
Received from Parker Merrill, water registrar, for water rates, etc., collected for 1889 : .	23,746 43
	<u>\$30,311 23</u>

DR.

Water loan sinking fund commissioners, surplus, 1888	\$3,829 22
Interest on water fund bonds	11,680 00
Bills on account of construction and maintenance, for detailed statement see water commissioners' report	14,017 63
	<u>\$29,526 85</u>
To the credit of account	784 38
	<u>\$30,311 23</u>

INTEREST.

Appropriation March 11, 1889	\$5,000 00
Balance unexpended, 1888	1,057 72

RECEIPTS.

From collectors of taxes, interest collected.

J. C. Howes, 1881	\$3 54
" " 1882	3 00
" " 1883	6 51
Parker Merrill, 1888	1,022 55
" " 1889	77 80
	<u>\$1,113 40</u>
<i>Amount carried forward,</i>	<i>\$7,171 15</i>

<i>Amount brought forward</i> ,	\$7,171 12
Received from town treasurer as interest on deposits, balance as per report of committee appointed April 25, 1889, deducting allowances as per said report and in accordance with vote of town May 6, 1889	307 64
Received as interest on deposits from May 1, 1889, to Jan. 1, 1890	91 03
	<u>\$7,569 79</u>

EXPENDED.

Interest coupons on town hall bonds, \$65,000 @ 7 per cent.	\$4,550 00
Commonwealth of Massachusetts, on notes	810 00
Melrose Saving Bank, on notes, temporary loans	270 62
S. H. Nowell, ex'r of est. of Chas. Pratt, on note	532 63
	<u>\$6,163 25</u>
Balance unexpended	1,406 54
	<u>\$7,569 79</u>

WYOMING CEMETERY.

RECEIPTS, 1889.

For care of lots	\$470 23
Labor and material furnished, interments, etc.	458 25
Stone sold	20 00
Building wall	15 00
Rent of Pratt farm:	
E. McKenna, 5 months	\$50 00
H. H. Elms, 7 months	73 50
	<u>123 50</u>
<i>Amount carried forward</i> ,	\$1,086 98

Amount brought forward, \$1,086 98

Lots sold:

One at \$200	\$200 00
Three at \$175	525 00
Three at \$100	300 00
One at \$90	90 00
Six at \$75	450 00
Six half lots at \$40	240 00

\$1,805 00

On account of lots sold 160 00

1,965 00

\$3,051 98

EXPENDED.

Thomas Marshall, supt., 5 mos.	\$250 00
Extra labor, 100½ days	201 00
Manure furnished	13 00
Laborers, 556¼ days @ \$1 76	\$978 88
Teams, 48 days @ \$1 50	71 99
Labor, 1 day @ \$2 50	2 50

\$464 00

1,053 37

S. E. Benson, cement	12 00
C. B. & F. H. Goss, cement	3 20
John Larrabee, brimstone	24
J. P. Deering, lumber	1 25
W. B. Howe, printing	6 50
Dunton & Potter, printing	6 50
L. C. Hoyt, plants	25 00
Daniel Norton, sail cloth	15 37
Perry Bros., paint	97
Bugbee & Barrett, lawn seed, powder, etc.	5 06
A. E. Upham, repairs, Pratt building	109 42

Amount carried forward, \$1,702 88

FINANCIAL STATEMENT.

117

<i>Amount brought forward</i> ,	\$1,702 88
Samuel Clark, wooden pump	10 00
Brackett & Roberts, examination of titles, etc.	20 00
Middlesex registry, recording deeds	1 34
W. C. Stevens, surveying	14 00
C. W. Ellison, P.M., stamps	2 00
Thos. McCoubry, sharpening tools	7 20
George Newhall, making and acknowledging deeds, from 1885—1889	59 00
George Newhall, services on committee	25 00
John Larrabee, " "	25 00
	<hr/>
	\$1,866 42

PURCHASE OF ADDITIONAL LAND.

George W. Farnsworth, lot of land on south side of Sylvan street, adjoining cemetery	\$150 00
Mrs. Sarah Whowell, lot of land on corner of Lebanon and Sylvan sts. adjoining Pratt farm	200 00
	<hr/>
	\$350 00
	<hr/>
Surplus for the year	\$2,216 42
	835 56
	<hr/>
	\$3,051 98

REPORT OF TOWN TREASURER.

Cash in treasury, Jan. 28, 1889	\$3,622 11
Total receipts for the year	161,588 36
	<hr/> \$165,210 47
Total disbursements for the year	165,096 27
	<hr/> \$114 20
Cash in treasury, Jan. 28, 1890	

CEMETERY "TRUST FUNDS."

1885. Estate of Sally Upham	\$200 00
1886. S. B. Cochran, Omaha, Neb. . . .	200 00
1887. Estate of William H. Jones	100 00
1888. Estate of Mrs. Lynthia L. Burgess	100 00
1888. Mr. Chas. O. and Mrs. Thomas Robinson	100 00
1889. Mrs. Caroline Curtis	100 00
1889. Charles E. Daniels, treasurer Winchester Home for Aged Women	300 00
1889. Estate of J. Vincent Smith	200 00
1889. Estate of Peter Edgerly	100 00
	<hr/> \$1,400 00

STATEMENT OF THE TOWN DEBT.

WATER BONDS.

Melrose Water Fund, due July 1, 1890	\$100,000 00
Melrose Water Fund, due Oct. 1, 1892	50,000 00
Melrose Water Loan, high service, due Nov. 1, 1905	37,000 00
Melrose Water Fund, series 1887, due May 1, 1907	30,000 00
	<hr/> \$217,000 00

Amount brought forward, \$217,000 00

TOWN HALL BONDS.

Melrose Town Hall, due Oct. 1, 1892 . . . \$65,000 00

PERMANENT LOANS.

Note dated July 23, 1886, due July 23, 1891, interest $3\frac{1}{2}$ per cent., borrowed on account of building Vinton street schoolhouse . \$14,000 00

TEMPORARY LOANS.

Melrose Savings Bank \$15,500 00

\$311,500 00

AVAILABLE ASSETS.

Due from State, State aid, 1889 \$721 00

Due from State, military aid, 1889 265 00

\$986 00

Uncollected taxes :

1884 \$293 18

1885 673 72

1886 706 71

1887 804 99

1888 2,089 07

1889 33,340 35

\$37,908 02

Water Loan Sinking Fund 42,224 58

Cash on hand 114 20

\$81,232 80

Net debts more than assets available . . 230,267 20

\$311,500 00

Respectfully submitted,

GEORGE NEWHALL,

Treasurer.

(E. and O. excepted.)

MELROSE, January 29, 1890.

GEORGE NEWHALL, TREASURER,
In Account with the TOWN OF MELROSE.

DR.

Jan. 28, 1889. Cash in treasury . . . \$3,622 11

RECEIPTS.

J. C. Howes, collector taxes, 1881	\$19 54	
1882	31 14	
1883	78 29	
		128 97
M. F. Eastman, coll. of taxes, 1885	\$51 83	
1886	58 79	
1887	1000 00	
		1,110 62
Parker Merrill, coll. of taxes, 1888	\$26,801 93	
1889	58,390 15	
		85,192 08
Parker Merrill, water registrar, water rates, etc.		23,746 43
Wyoming cemetery, lots, graves, etc.		3,051 98
Commonwealth of Massachusetts.		
Military aid, 1888	\$267 50	
State aid, 1888	645 00	
School fund	39 87	
Bank and corporation tax	3,993 68	
		\$4,946 05
Cemetery Trust Funds, for perpetual care of lots		700 00
Temporary loans, notes		37,500 00
C. W. Higgins, Orris street damages		86 80
Interest on deposits		398 67
Highways		110 97
Drainage		31 77
Sidewalks		651 26
Poor Fund		960 55
Contingent		8 00
Police		48 00
Town Hall		1,160 73
Public Library		1,155 48
Main street widening, from county treasurer		600 00
		<u>\$165,210 47</u>

CR.

Paid town clerk's orders, as follows :

Crossings and gutters	\$494 56
Sidewalks	2,646 66
Insurance	1,038 75
Military aid	560 00
State aid	721 00
Drainage	1,025 05
Soldiers' lots	300 00
Melrose Common	148 00
Public Library	1,898 13
Memorial Day	200 00
School fund	22,194 21
School contingent	4,113 17
Poor fund	7,023 54
Contingent	2,020 58
Fire department	3,491 49
Cemetery, Wyoming	1,866 42
Street lights	4,838 40
Additional lamps	121 50
Police	3,715 50
Salaries	3,583 69
Town Hall	1,781 84
Water fund	14,017 63
Highways	10,600 41
Main street widening	2,145 33
Orris street damages	86 80
Wyoming avenue sidewalk	89 59
Drainage committee expenses	66 20
Foster street drain	150 00
Remodelling high school building	75 00
Health department	117 55
<i>Amount carried forward,</i>	<u>\$91,131 00</u>

<i>Amounts brought forward,</i>	.	.	.	\$91,131 00
Land damages	.	.	.	100 00
Taxes refunded	.	.	.	60 80
Soldiers' relief	.	.	.	29 50
Cedar park and Woodland avenue drains	.	.	.	45 00
Russell and Adams streets	.	.	.	200 00
Highland street	.	.	.	300 00
Vinton street ledge	.	.	.	295 00
Upham " "	.	.	.	99 00
				<hr/>
				\$92,260 30
Paid temporary loans, notes	.	.	.	\$22,000 00
Permanent loans, notes	.	.	.	18,000 00
Interest on notes	.	.	.	1,613 25
Interest coupons, town hall bonds	.	.	.	4,550 00
" " water fund bonds	.	.	.	11,680 00
Water loan sinking fund, commissioners'				
surplus, 1888	.	.	.	3,829 22
Purchase of land, cemetery	.	.	.	350 00
Damages, settlement of claims	.	.	.	275 00
High school building committee	.	.	.	100 00
State tax, 1889	.	.	.	5,880 00
County tax, 1889	.	.	.	4,558 50
				<hr/>
				\$165,096 27
Jan. 29, 1890. Cash in treasury	.	.	.	114 20
				<hr/>
				\$165,210 47

GEORGE NEWHALL, TREASURER,

In Account with COMMISSIONERS OF MELROSE WATER LOAN
SINKING FUND.

DR.

February, 1889. Cash on hand	\$2,418 05
To received as surplus from water fund for year 1888	3,829 22
To received as interest on bonds and mortga- ges	1,687 31
	<hr/>
	\$7,934 58

CR.

By paid rent for box in safe deposit vaults .	\$10 00
For mortgage on real estate in Melrose . .	2,500 00
In Boston Five Cents Savings Bank . .	1,000 00
In Suffolk Savings Bank	1,000 00
In Melrose Savings Bank	3,424 58
	<hr/>
	\$7,934 58

COLLECTOR'S REPORT.

TAX OF 1889.

To amount of warrant	\$91,914 40
Interest	77 80
	<hr/> \$91,992 20
By amount paid George Newhall,	
treasurer	\$58,390 15
Abatements	261 70
Uncollected	33,340 35
	<hr/> \$91,992 20

PARKER MERRILL,

Collector for 1889.

TAX OF 1888.

To amount uncollected Jan. 1, 1890	\$28,012 18
Interest	1,022 55
	<hr/> \$29,034 73
By paid George Newhall, treasurer	\$26,801 93
Abatements	143 73
Uncollected Jan. 1, 1890	2,089 07
	<hr/> \$29,034 73

PARKER MERRILL,

Collector for 1888.

ASSESSORS' REPORT.

FOR YEAR 1889.

No. of inhabitants	7,821
“ school children	1,303
“ dwelling houses	1765
“ horses	472
“ cows	211
“ swine	51
“ dogs	546
“ oxen	2
Valuation of personal property	\$ 413,490 00
“ real estate	6,022,130 00
Total	<u>\$6,435,620 00</u>
Amount committed to collector	\$91,914 40
Additional	88 32
Re-assessed	37 74
Total	<u>\$92,040 46</u>
Rate, \$13.60 per \$1,000.	
Number of polls assessed	2,204
Number of women assessed	6

ABATEMENTS ON TAX OF 1889.

Estate Chas. Barrett	\$6 80	Mrs. C. W. Clinkard	\$6 80
Mrs. Emma Burnham	6 80	Mrs. S. A. Dean	6 80
Mrs. Ann Colligan	6 80	Mrs. Mary A. Finn	6 80
C. W. Ellison	1 36	Mrs. Aaron Green	4 74
C. N. Fowler	2 70	Estate Harry Hunt	6 80
Geo. B. Graves	2 72	E. W. Jones	2 72
Wm. Hyams	68	T. D. Lockwood	6 80
J. Lehmann	12 90	A. V. Lynde	4 08
Mrs. E. Loring	6 80	Wm. H. Porter	2 70
Mrs. Esther Morcomb	6 80	John J. Rink	2 72
Mrs. Ella Powder	5 44	Mrs. Joan Stackpole	6 80
Mrs. E. Simonds	6 80	A. Taylor	2 70
D. D. Stratton	6 80	Mrs. Jennie Upham	5 78
S. D. Taylor	13 60	Andrews & Fairfield	10 20
Misses Wheeler	13 60	Estate T. Corey	6 80
Miss S. A. Cooper	6 80	Fred Belyea	2 72
Miss Nancy S. Wilson	1 36	Ellen Powers	6 80
Mrs. May D. Ellis	6 80	Misses Conway	13 60
H. G. Vennard	5 44	B. R. Upham, reass'd	1 36
Mrs. C. V. Fernald	4 08	G. W. Chipman "	16 32
J. M. Fuller, reassessed	18 70		
A. Cutter Sibley, "	1 36		\$278 02
S. E. Benson	6 80		

ABATEMENTS ON 1888, DURING 1889.

Geo. W. Emerson	\$4 52	Mary R. Prince	\$6 80
Estate F. D. Howe	6 80	Mrs. Mary A. Higgins	6 80
Mrs. Susan E. Smith	6 80	Geo. W. Farnsworth	8 84
B. F. Dutton	12 24	Mrs. Mary A. Finn	6 80
Mrs. Louisa Weeks	10 54	Geo. W. Grover	4 04
Mrs. Lucada Critchett	6 80	Mrs. E. Burnham	6 80
Geo. N. Cass	6 80	C. H. Batchelder	7 67
J. C. Ingalls	44 88		
Mrs. Jane Grundy	3 40		\$150 53

ALBON W. PARKER,
CHARLES W. COOK,
JOHN R. NORTON,

Assessors.

REPORT OF POLICE DEPARTMENT.

MELROSE, Dec. 31, 1889.

To the Honorable Board of Selectmen:

The report of the Police Department for the year ending at date is as follows :

CASES BROUGHT BEFORE THE COURT.

Assaults	8	Keeping and exposing	
By-Laws, violation of	2	liquor for sale	4
Breaking and entering		Liquor nuisances	2
and larceny	6	Larceny	5
Concealing stolen prop-		Neglected children	4
erty	3	Non-support	1
Drunks	26	Reckless driving	1
Disturbing the peace	5	Search warrants for liq-	
Disorderly house	2	uor	11
Disobedient child	1	Search warrants for	
Entering building	2	stolen goods	2
Persons assisted home			6
Truancy			1
Threats			2
Vagrants			2
Insane carried to hospital			7
Lodgers accommodated			127
Doors found unlocked			5
Disturbances suppressed			15
Notices delivered			53
Children taken home			5

Respectfully submitted,

FRANK M. McLAUGHLIN, *Chief.*

REPORT OF FIRE ENGINEERS

FOR THE YEAR ENDING DECEMBER, 31, 1889.

To the Honorable Board of Selectmen:

During the year seven buildings were damaged by fire, of which there were

Totally destroyed	3
Trifling damage	4

Whole number of alarms, thirteen, of which one was for a fire in Stoneham, and one call for assistance from Boston.

Value of property destroyed	\$4,235 00
Insurance on same	3,175 00
Loss "	1,885 00
Insurance paid on same	2,470 00

Date, Jan. 10; box, 41; location, Swains pond avenue; owner and occupant, J. H. Currier; value, \$735; loss, \$735; insurance, \$2,700; insurance paid, \$1,995; cause, incendiary.

Date, April 15; box, 41; location, Park street; cause, brush.

Date, April 21; box, 48; location, Emerson street; false alarm.

Date, April 23; box, 57; location, Warren street; cause, brush.

Date, April 26; box, 41; location, Grove street; false alarm.

Date, July 5; box, 35; location, Stoneham.

Date, Aug.; box, 49; location, Oakland street; loss, \$50; cause, lamp explosion.

Date, Sept. 4; box, 35; location, Washington street; owner, E. F. Gove; occupant, W. B. Cook; value, \$2,600; loss, \$200; insurance, unknown; cause, spontaneous combustion.

Date, Oct. 24; box, 41; location, Lynde street; owner and occupant, W. E. Locke; insurance, \$25; insurance paid, \$25; cause, lantern explosion.

Date, Oct. 30; box, 41; location, Third street; owner, Joel Atwood; occupants, J. and G. Atwood; value, \$900; loss, \$900; insurance, \$450; insurance paid, \$450; cause, lantern explosion.

Date, Nov. 6; box, 48; location, Emerson street; owner and occupant, J. Barrett; cause, accidental.

Date, Nov. 25; box, 43; fire in Boston.

Date, Dec. 2; box, 46; location, Main street; owner, H. C. Richardson; cause, incendiary

In making our report, we recommend to the town the laying of a twelve inch main from Wyoming avenue to Emerson street, in order to give a more efficient supply of water for fire purposes. The time is soon coming when a more extensive equipment will be needed, that will require more room, and we think it advisable for the town to take into consideration with the erection of other buildings the needs of its fire department, and we recommend for the expenses of the fire department for the ensuing year the sum of thirty-five hundred dollars, and we also recommend the sum of two hundred dollars for additional fire alarm boxes.

Respectfully submitted,

A. W. LYNDE,
SAMUEL LEAR,
A. W. PARKER,

Engineers.

REPORT OF THE INSPECTOR OF BUILDINGS.

To the Citizens of Melrose :

Your attention is respectfully called to the following extracts from the town by-laws in relation to the prevention of fires :

ART. 7, SEC. 1 (as amended). Any person intending to erect any dwelling house, stable, shop, store or other building in the town of Melrose, shall, before proceeding to erect the same or lay the foundation thereof, give notice in writing to the Board of Selectmen of such intention and of the character and location of the proposed building.

SEC. 13. To aid them in the proper enforcement of the foregoing regulations, the Board of Selectmen are hereby authorized to employ some suitable person to inspect all buildings in process of erection or alteration.

Acting upon the authority conferred by the by-laws, from which the above extracts are taken, and by appointment of the selectmen as inspector, I have, since my appointment, May 15, 1888, inspected buildings as follows :

Number inspected where notice was given through the selectmen, as required by Sec. 1 (quoted above)	152
Number inspected without notice	57
Total	209

Seven chimneys found to be unsafe were by my order taken down and rebuilt, four flues for stoves were rebuilt, one girder which ran directly through a chimney was repaired and made safe, and one chimney in a house partially burned was rebuilt.

In response to notices served by an officer, many changes have been made as directed, and future danger thereby averted, and in no case has it been found necessary to prosecute the offender. If the citizens generally, the owners of buildings in process of construction or alteration, and the contractors or builders, would render assistance in the matter of giving proper notice and complying promptly with the directions of the inspector, more could be accomplished under the by-laws toward preventing the dangers from fires which will arise unless the utmost care is exercised.

Blank notices of intentions to build can always be obtained of the inspector or at the town clerk's office.

Respectfully submitted,

DEXTER PRATT,

Jan. 1, 1890.

Inspector.

AUDITORS' REPORT.

We have examined the books of the treasurer for the year ending Jan. 28, 1890, and find them correctly kept and proper vouchers and orders accompanying them.

We have also examined the books connected with the water department, and find them correctly kept.

FRANK E. ORCUTT,
WALTER I. NICKERSON,
GILBERT N. HARRIS,

Auditors.

MELROSE, Feb. 14, 1890.

REPORT OF THE BOARD
OF
WATER COMMISSIONERS
OF THE
TOWN OF MELROSE, MASS.,
FOR THE
FINANCIAL YEAR ENDING DECEMBER 31, 1889.

MELROSE :
DUNTON & POTTER, PRINTERS.
1890.

TOWN OF MELROSE, MASS.

WATER DEPARTMENT.

COMMISSIONERS.

WILBUR D. FISKE.

GEORGE L. MORSE.

W. H. MILLER.

REGISTRAR.

PARKER MERRILL.

SUPERINTENDENT.

JAMES W. RILEY.

PUMPING STATION.

CHARLES F. CHURCHILL, Engineer.

REPORT OF THE WATER COMMISSIONERS

FOR THE YEAR ENDING DEC. 31, 1889.

The twentieth annual report of the Board of Water Commissioners of the town of Melrose, also reports of water registrar and superintendent are respectfully submitted.

The demands for laying main and service pipes during the year, together with the expense of providing and putting in position new fire hydrants, largely exceeded the expectations and estimates of the board and made necessary an additional appropriation, which was voted by the town, viz., \$2,000.

Number of feet of main pipe laid in 1889,	6,674 feet.
“ “ service “ “	2,780 “
“ new hydrants set	11
“ gates set	15

A detailed statement of dimensions, location and cost of the above will be found in superintendent's report.

WATER SUPPLY.

There has been an abundant supply of water during the year and the pond is now in excellent condition. The highest point reached being Dec. 10th, when the dam was overflowed. The lowest was on Oct. 20th, the water at that time being $14\frac{3}{4}$ inches below high water mark. This favorable exhibit is, of course, attributable to the unusually heavy rainfall of the past season and cannot safely be assumed as a fair average of the capabilities of the pond.

PUMPING STATION.

The pumping engine at the station has run during the year to the entire satisfaction of the board and has required but trifling expense for repairs. The whole pumping plant has been under the charge of the Engineer, Mr. C. F. Churchill, and is in perfect condition.

INCIDENTAL EXPENSES.

Owing to the absence of extreme cold weather no trouble from freezing has been experienced, and expense for repairing has been correspondingly light. The board reports a saving in the maintenance department, by teaming its own sand and cement, and also by a discontinuance of four of the telephones formerly in use; a further reduction in minor expenses has also been effected.

QUALITY OF PIPE.

At the last annual town meeting it was voted: "That the water commissioners be requested to seriously consider the question of the merits of iron as compared with cement-lined pipe; the relative cost of the same; the relative cost of repairing, and all collateral expenses. And if it should be found that the cement-lined pipe is no better or cheaper than the iron pipe, then the manufacture of cement-lined pipe to be discontinued."

In complying with the foregoing request, the board have found themselves confronted with so much conflicting testimony, and so little really definite information, that exact data upon which to base an opinion has not been attainable, and they are consequently not prepared to make an absolute statement, preferring rather to submit such facts as they have acquired and leave the decision with the town. Melrose has a good plant, with all necessary apparatus for

making cement-lined pipe. She has also workmen skilled in its manufacture and experienced in laying and caring for it. In this respect we possess advantages both for the practice of economy and in securing perfect work over most of the towns with whom correspondence has been had. A recognition of these facts and a careful comparison of prices paid by other towns, as well as our own, induces the belief that cement-lined pipe can be produced and laid at an average cost of some ten to fifteen per cent. less than iron pipe.

The relative cost of repairing and other collateral expenses can only be given approximately, as we have no record of tests of the two kinds of pipe made under exactly similar conditions. The weight of evidence, however, appears to be that while the expense of repairing a given quantity of iron pipe might be greater than for the same amount of cement, the iron is, on the whole, considered safer and more reliable, and consequently the aggregate cost of its maintenance would be no greater than for cement.

A satisfactory comparison of the two kinds of pipe as to durability cannot be made, inasmuch as sufficient time has not yet elapsed to demonstrate fully the enduring qualities of either. Plymouth has cement pipe thirty-eight years old and still in use, while Boston has iron pipe forty-three years in service and still claimed to be in good condition.

These figures, however, are exceptional, and after a careful examination of all the evidence at hand, the board are inclined to regard a fair average of the life of both iron and cement pipe to be some twenty to thirty-five years; both being, of course, greatly influenced by the existing conditions.

While each kind of pipe has its merits and each its defenders, it is at the same time true that neither has as yet fully established its claims to superiority. This fact, how-

ever, must be admitted that no instance has come to the knowledge of the board where cement pipe has been substituted for iron, whereas it is known, that in many cases cement has been abandoned and iron put in its place. Under all the circumstances, therefore, and in view of the fact that Melrose is considering the question of substituting iron for cement pipe, the board call attention to the following points as deserving consideration :

a. The fact heretofore mentioned, that the town has a full equipment for manufacturing and laying cement pipe, and if iron be substituted new apparatus will be required.

b. Experience has proved that the chemical action of Spot Pond water on iron pipes is such as to cause rapid deterioration. This peculiarity as compared with other waters which have been examined is decidedly marked, and involving as it does the question of cost for future maintenance ought not to be overlooked.

c. Melrose has a system of cement-lined pipe, and it is an open question whether a combination of the two is desirable. Experts as a rule do not approve such a union. The judgment of the board is that the difference in cost is not sufficient to be made a factor in deciding between the two kinds of pipe; it is purely a question of superiority.

The following letters have been courteously furnished by the gentlemen whose names are signed to them, and are entitled to respectful consideration, expressing as they do the opinions of men of high authority in the matters of which they write.

[*GOODHUE & BIRNEY, Water Works Contractors.*]

SPRINGFIELD, MASS., Jan. 20, 1890.

W. D. FISKE, Esq.

Dear Sir: — Replying to yours of the 16th, would say that on the 4, 6 and 8 inch pipe, sizes that you would naturally

use for extensions, there should be a saving of about 10 per cent. in cost of cement over cast iron, at present prices. As I understand you make and line your own pipe, you can judge if you are able to get some work done on the making of pipe at odd spells, when men to whom you give steady employment would have nothing else to do.

Regarding the relative life of the two kinds of pipe, if each are properly made and laid, I think the cement would last much the longest. If the work on cement pipe is carelessly done, the life of the pipe will be shorter. The chances for a town obtaining poor or imperfect work on cement pipe if done by contract are a little more than on cast iron. If you do your own work, there can be no excuse for poor work. Plymouth, Mass., has several miles of cement pipe which has been in use thirty-eight years.

There is virtue in each kind, with chances for better water from the cement. You are at liberty to call upon me for any further information that I can give you.

Yours truly,

C. L. GOODHUE.

[BOSTON WATER WORKS, Office Supt. Eastern Division.]

BOSTON, MASS., Jan. 25, 1890.

WM. H. MILLER, Esq., Melrose Water Board.

Dear Sir:—In reply to yours of the 24th inst., asking for my opinion in regard to the comparative merits of cast-iron and cement-lined water pipes, I will say that I should not recommend the use of the cement-lined pipes, and my reasons for that opinion are based upon my experience with both classes of pipe on the Boston works and upon my general knowledge of the experience of neighboring cities and towns which have used the cement-lined pipes.

The Mystic works, constructed in 1864 for the supply of Charlestown, were furnished with wrought-iron cement-lined pipes, and in 1876, twelve years after the pipes were laid, the number of breaks in the mains were 1 for each 0.45 (about $\frac{1}{2}$) of a mile of pipe, while on the Cochituate works, laid with cast-iron pipe, the number of breaks were one for

every 24.4 miles. We have been obliged to replace the entire distribution of Charlestown with cast-iron pipes.

The cement-lined pipe was used in Somerville and Chelsea, and in both of those cities the pipes are now giving a great amount of trouble, and they are replacing the wrought-iron cement-lined pipes with coated cast-iron.

As to the life of a cast-iron pipe, I can only say that the pipes laid in Boston in 1848 are to-day in service, and to all appearances nearly as good as when first laid. When laid in marsh mud the cast-iron pipes decay rapidly; but in good earth they will last at least fifty years, and I see no reason why not one hundred.

As to the comparative cost, I have not had any experience.

Yours respectfully,

DEXTER BRACKETT,

Supt. Eastern Division.

[*Office of Superintendent Hingham Water Works.*]

HINGHAM, Feb. 3d, 1890.

JOHN R. NORTON, Clerk of Water Board, Melrose, Mass.

Dear Sir:—As we are a private company and have no commissioners, I take the liberty of answering your note. We have some forty miles of cement pipe from 14 in. to 3 in., most of it laid in 1879 and 1880. Thus far we have had very little trouble from breaks and our water is very clear. Our pressure is about fifty pounds and we have a gravity supply. For a low pressure like ours I think cement pipe, if honestly made and laid, is all right. Would not use it for a pumping system or where the pressure was over fifty or sixty pounds.

There is very little difference in first cost or in repairs between cast iron and cement pipe when the latter is first-class. The extra care necessary in handling and laying cement pipe where it is carefully done, as it must be to ensure good work, will offset the difference in cost of the materials. So that the only recommendation for cement pipe is in its absolute freedom from corrosion and conse-

quent purity of the water. This is the vital point in all water works, and with water that will readily attack iron there is no question of the superiority of cement-lined pipe. Otherwise, and with high gravity or pumping pressure, I should say cast-iron every time.

Yours,

C. W. S. SEYMOUR,

Superintendent.

[*Concord Water Works, Superintendent's Office.*]

CONCORD, N. H., Feb. 3d, 1890.

JOHN R. NORTON, Esq., Clerk of Water Board, Melrose,
Mass.

Dear Sir:—I have your favor of Feb. 1st. Our works were built in 1872 with cement-lined pipe, and we have but little trouble with it. Of late we have used cast-iron for extensions. Were we to build our works anew now, I should use cast-iron. The difference in the price is not large. The iron costs more than the cement-lined, but I cannot give you the exact figures. Iron pipe has advanced about \$3.00 per ton, and cement-lined would advance some. Mr. C. L. Goodhue, of Springfield, Mass., will give you the figures for cement-lined.

Very respectfully,

JOHN KIMBALL,

President.

[*Office of PERCY M. BLAKE, Civil Engineer.*]

HYDE PARK, MASS., Dec. 5th, 1889.

Major W. D. FISKE, Boston, Mass.

Dear Sir:—I have been too busy to attend to that matter of comparative cost of piping, about which you spoke to me. Let me know if it is not too late, and I will try to have it looked up for you. I should say, to express it in a general way, that with the present price of cast-iron, the laying and furnishing of 4, 6 and 8 inch wrought-iron cement-lined and covered pipe and the furnishing and lay-

ing of the same size of cast-iron pipe, standard weight, could be contracted for at the same price. If, however, you are well equipped for the manufacture and laying of the cement-lined pipe, it is probable that this kind would cost ten and possibly fifteen per cent. less than standard cast-iron.

Yours truly,

PERCY M. BLAKE.

[*Manchester Water Works, Superintendent's Office.*]

MANCHESTER, N. H., Feb. 3, 1890.

MELROSE WATER COMMISSIONERS, Melrose, Mass.

Gentlemen: — We have laid no cement-lined pipe for thirteen years. We have laid over with cast-iron pipe this year about half a mile. Now we find in taking up the cement-lined that some portion of it is just as sound as it was sixteen years ago, when it was laid. Other parts, the iron is all rusted out. This shows that it could be laid so as to last a long time. We have got to take ours out, that is, a large portion of it, on account of poor work, and we shall lay cast-iron in place of the cement. The cost of cement-lined I do not know about. The repairs on cast-iron are easier made, and it does not cost so much to repair it. I have always understood that you are satisfied with cement, and if so, why change it?

Yours truly,

CHAS. K. WALKER.

[*Office of Watertown Water Supply Company.*]

WATERTOWN, MASS., Feb. 3, 1890.

JOHN R. NORTON, Esq., Clerk of Water Board, Melrose,
Mass.

Dear Sir: — Your favor of the 1st received this forenoon. In reply would say, regarding the merits of cement-lined pipe, there is no doubt in my mind but it is the best conductor of water; the only trouble seems in getting a thorough job. We have had a very favorable experience; in fact, our

mains have given us no trouble at all. Cast-iron will stand any amount of rough handling, and I do not think there is much difference in cost at the present time.

Yours truly,

J. H. PERKINS,

Superintendent.

[PLYMOUTH WATER WORKS.]

Board of Water Commissioners, Melrose, Mass.

PLYMOUTH, MASS., Feb. 6, 1890.

Dear Sirs:—We can give you very little information in regard to cast-iron pipe, as since 1854 we have used cement-lined wrought-iron almost exclusively. Our water is particularly destructive to cast-iron and so use the other, as it has proved entirely satisfactory. Some four inch cast-iron that we laid for a corporation a few years ago was taken up last year and its capacity was reduced to a two inch by the formation of rust inside. We have not dared to try the dipped cast-iron in any of our mains, although no doubt it would last longer than the undipped, but how much only time will tell.

We laid quite a large quantity of cement pipe three years ago, when we put in another main from the pond to the town, and the prices were as follows, including pipe, trenching, back-filling, keeping road-bed in repair for a year and setting gates and branches, gates to be supplied by the town:—16 in., \$1.90 per running foot; 14 in., \$1.70; 12 in., \$1.35; 10 in., \$1.05; 6 in., .72; 4 in., .52. In laying our own pipe with higher labor the expense is a few cents per foot more.

I suppose you know that we are one of the few towns in this State which clings exclusively to cement, but our experience justifies it. Our works were originally laid in 1854, and that pipe is in use to-day, and when taken up is generally in as good condition as when laid. When we laid the new main three years ago, we made two services—a high and a low, and the greater part of the old pipe was thrown on the high service. Of course for a short time we had

quite a number of leaks, as any weak places were shown at once, but the cost of repairing them is small and easily done. The average cost of repairing a leak for the last three years has been as follows:—10 in., \$12.74; 6 in., \$12.07; 4 in., \$6.53. And this is higher than the average cost for a series of years would be, as it includes the time when the high service was put in. The cost of repairs to our street mains since 1882 has been as follows; this also includes removing obstructions, of which there have been quite a number, as we have considerable two inch pipe which was laid in the early history of the works. A larger part of the leaks have also occurred in this smaller pipe, as it is harder to make well than the larger sizes:—1882, \$159.00; 1883, \$160.00; 1884, \$242.00; 1885, \$174.00; 1886, \$232.00; 1887, \$385.00; 1888, \$592.00; 1889, \$261.00. The water on the high service was turned on in the latter part of 1887, which accounts for the larger expense in 1887 and 1888, and more especially so as the repairs were made in winter. During the above years we had from twenty-five to thirty miles of street mains.

In our opinion the whole question is whether the pipe is well made and well laid in the beginning. If it is, the pipe is cheap and durable and as cheap a pipe as can be put down and no danger of the full diameter being decreased by rust, etc. If the pipe is not well made, it is not worth a cent. This is the trouble with pipe laid in various places in Massachusetts. We have constant supervision of the making and laying of the pipe, and the result is satisfactory.

The above cost of repairs is from all causes. For instance, one year we had quite a length of pipe struck by lightning, and we have one or two places on our main line which are swampy and the pipe settles, but which will probably be remedied this year by laying the pipe around the swamp.

Any further information that we can furnish we shall be glad to give. If your superintendent or any of your board would like to come here, we should be pleased to have you, and will show you anything or give you any information in our power.

Yours respectfully,

CHARLES S. DAVIS, *Chairman.*

NATICK, Feb. 6, 1890.

To Water Commissioners of Town of Melrose.

Gentlemen :—Your letter of Feb. 1, to Natick Water Board, was handed me for my opinion with regard to cement-lined mains. We have about twenty-five miles of that kind of pipe, from 4 to 12 in., some of which has been laid sixteen years. We have not had much trouble so far. As far as I can judge it is still in good condition. Now and then we have a few joint leaks, and sometimes a burst or rotten pipe (perhaps two or three in a year.) This does not result through any fault of the pipe, but from careless work, which can be remedied if you can secure honest workmen to take an interest in the work. Poor work will eventually tell, whether in cast-iron or cement-lined. No doubt the risk is greater in cement, as in making joints there is more chance for poor work. There is no doubt about the purity of cement pipe. It is always clean and the same size, without any obstruction. The reason why cement pipe is being discarded for iron pipe is not from any fault of the pipe, but in the workmanship ; not enough cement to light iron. In closing I would say there is and always has been a doubt in my mind as to how large a pipe that is cement-lined can be laid with good results. Hoping you will give me your opinion in return about pipe, I remain,

Yours respectfully,

T. W. MORSE,
Superintendent.

CHELSEA, MASS., Feb. 6, 1890.

Melrose Water Commissioners.

Yours of Feb. 1st came to hand yesterday. In answer to your questions, would say, that there are merits in the cement-lined water pipe. It is our judgment, however, that cast-iron pipe is the most reliable, and in the long run the most economical. The first cost is in favor of the cement pipe, but in a very few years the difference in maintenance in favor of cast-iron will more than offset it.

Respectfully,

WATER COMMISSIONERS,

O. LOMBARD, Clerk.

The following extract is taken from the 9th Annual Report of the Dedham Water Company:

The most important matter to the company, upon which in fact all else depends, is the condition of the main line of pipes, now extending upwards of twenty miles, and we are glad to report that no leaks whatever have developed during the year, and no expense for repairs has been incurred. In relaying certain portions with reference to approaches to the new standpipe, sections of cement-lined pipe have been taken up, and in every case found to be stronger and better than when first laid, while iron connections and service pipes upon the same portion have been found badly rusted and partially filled with incrustations.

Upon the lines of service pipes, all of enamelled iron, four leaks have appeared, and have been repaired at an expense of \$13.65. For the last year the company has laid cement-lined service pipes, experience here and elsewhere having shown them to be the best now in use, and no more expensive than the iron.

[DEDHAM WATER COMPANY.]

DEDHAM, MASS., Feb. 11, 1890.

JOHN R. NORTON, Esq., Clerk Water Commissioners,
Melrose, Mass.

Dear Sir :—Your note of Feb. 7, 1890, asking the opinion of the directors of the Dedham Water Company as to the merit of cast-iron or cement-lined pipes for water mains, is at hand. We have no cast-iron pipes of any amount on our works, but as far as cement-lined pipes are concerned, I would say, I think from what experience I have had with them, if they are properly laid there can be no better pipe made through which to carry water. With cement pipe the water is always clean and not filled with iron-rust. As far as repairs are concerned, no company, city or town can have a better record than we have had. We have now upwards of twenty miles of main pipes, most of which was laid in 1881. Barring two or three small leaks, caused by the careless handling of a pick in putting in services, we have had

but one leak on our main pipes, and that was caused by too quickly closing a hydrant. For more than two years we have had no leaks of any kind on our main pipe line. The cost of laying cement-lined pipe is about as follows. I can give no figures on cast-iron: 4 in. cement-lined, laid, costs about 50 to 60 cents per foot; 6 in., 60 to 70 cents; 8 in., 85 to 95 cents; 10 in., \$1.05 to \$1.15.

Respectfully yours,

WILLIAM F. HILL,

Superintendent.

The board desire an expression of opinion and instructions from the town.

SANITARY CONDITIONS.

Pure water is indispensable to the health and prosperity of every community, and the board of water commissioners view with grave apprehension the danger of defilement to which the water of Spot Pond is subjected through the influx of visitors and pleasure seekers.

Every year the evil increases; every year crowds of boating, picnicking, and other parties multiply until it has come to pass, that during the entire heated term, the surface of the lake is covered with boats and its shores with excursionists and idlers.

If this condition of affairs be permitted to continue, contamination of the water is inevitable, and at the same time, the enviable reputation for purity which the pond has hitherto enjoyed, and which has contributed greatly in bringing to our town a large and increasing number of intelligent citizens, will, to say the least, be endangered. The question is asked, "Why do the commissioners permit it?" and the answer is, the commissioners have no power to prevent. A year ago the water board of Melrose, jointly with the commissioners of Malden and Medford, procured a survey to be

made of all the land contiguous to the pond, with a view to purchasing the same, thereby cutting off all the approaches to the water. While such a scheme might be feasible, its accomplishment would necessarily involve the expenditure of a large sum of money. And as there is a reasonable presumption that the desired reform may be attained by less expensive methods, the board does not feel justified in recommending its adoption, at least, until other plans shall have been considered.

FINANCIAL EXHIBIT.

Although the town, at its last annual meeting, withheld the usual appropriation for the use of water supplied for hydrants, school houses and other public buildings, the financial exhibit for the year is highly satisfactory. The receipts from water takers exclusively, for the year 1889 amount to \$22,719.98, as against \$21,551.00 from the same sources in 1888, thus showing an increase for the current year of \$1,168.98.

There are in the town of Melrose supplied with Spot Pond water: 8 school houses; 142 hydrants; 5 public buildings; 2 parks; 5 drinking fountains.

The board are of the opinion that as the water department is debited with all the expense of providing and maintaining hydrants and apparatus for public buildings, and supplying the same with water, it should, in fairness, be credited with at least the cost of the same from the general tax levy. While the particular methods adopted in providing and distributing its taxes may not be material to the town as a unit, there may be a marked difference to the individual citizen, and it is the opinion of the water board that if the several departments of the town were obliged each to bear its own burdens, the water department would soon be in a position to make possible more equitable rates for distribution.

From such information as has been accessible to the board, it is learned that in the municipalities of this Commonwealth, where water is taken for public uses, the practice universally prevails of accounting to the water department for the same, the average allowance for hydrants being over \$30 each, and for public buildings in like proportion.

The board further state that they have failed to discover any other town than Melrose which provides and maintains watering posts at its own expense and gratuitously supplies water to private individuals to be used for street sprinkling as a source of profit.

If the water department can receive from the town its just dues for supplies for public purposes, and regular rates from all other consumers, the board are free to express the opinion that with the increasing receipts from new water takers, which may reasonably be anticipated, a material reduction in rates would in the near future be warranted.

MR. SARGENT.

On the 19th day of June last past, Wingate P. Sargent, by reason of the pressure of his own personal affairs, resigned as a member of the water board, and at a joint convention of the selectmen and water commissioners holden on the tenth day of July following, Wm. H. Miller was unanimously elected to the vacancy. The board subsequently organized by the choice of W. D. Fiske as chairman.

Mr. Sargent has been identified with the water department a large part of the time since its inception, and freely used his time and influence in pushing it to completion. He was also one of the principal promoters of the High Service System, standing unswervingly at his post, unmindful of personal sacrifices until it was in full operation, and its utility demonstrated. He was a member of the water board

nine years, all of which he was its chairman. In his retirement the town loses a conscientious and faithful public servant.

RECOMMENDATIONS.

1st. That the town authorize laying a new main pipe of not less than 14 inches in diameter from the intersection of Wyoming avenue, and Main street to the intersection of Emerson and Main streets, a distance of 3,000 feet, and that \$6,000 be appropriated for the purpose.

2nd. An appropriation of \$2,000 for water supplied to hydrants, school houses and other public buildings, and parks.

3rd. That the vote of the town granting free water and the free use of six watering posts and apparatus to individuals to be used for private gain be rescinded.

4th. That the town authorize the purchase of a rain gauge and gauges for registering the height of water in the pond and reservoir, and that \$300 be appropriated for the purpose.

5th. That the town request the board of water commissioners to co-operate with the commissioners of Malden and Medford in procuring legislation necessary to protect the purity of Spot Pond water.

WILBUR D. FISKE,
GEORGE L. MORSE,
WM. H. MILLER,
Commissioners.

REPORT OF THE WATER REGISTRAR

OF THE TOWN OF MELROSE FOR THE YEAR 1889.

TO THE BOARD OF WATER COMMISSIONERS.

Gentlemen :—I have the honor to submit the following report for the year 1889 :

RECEIPTS.

To received for water rates . . .	\$22,719 98	
“ “ service pipe . . .	957 49	
“ “ stock . . .	160 56	
“ “ shop rent . . .	28 33	
“ “ return insurance . . .	27 75	
	<hr/>	\$23,894 11
By paid George Newhall . . .	\$23,746 43	
refund . . .	147 68	
	<hr/>	\$23,894 11

INCOME.

From water rates	\$22,719 98	
“ other sources	56 08	
	<hr/>	\$22,776 06

EXPENSES.

Interest on bonds	\$11,680 00	
Sundry bills	6,811 56	
Surplus on hand	4,284 50	
	<hr/>	\$22,776 c6

CONSTRUCTION.

Chapman Valve Company, hydrants,	
gates, etc.	\$868 70
Boston Bolt Co., bolts, etc. . . .	44 40
A. B. Franklin, brass work	2 90
Holyoke Hydrant Co., gates	15 00
T. McCoubry, repairs and shoeing .	22 40
J. H. Cunningham, pipe	33 46
C. A. Wells, horse shoeing	3 13
Waldo Bros., fire clay	1 75
D. R. Woodward, labor and stock .	10 12
Hersey Meter Co., meters	42 90
Ætna Rubber Co., rubber packing .	10 40
Fuller, Dana & Fitz, iron and pipe	1,150 66
Wm. Morse, stock and labor	88 27
C. A. Whittemore, oil	40 87
Eastern Supply Co., packing	4 90
Knowles Pump Co., valves	2 75
Sundry laborers	2,198 02
Boston and Maine Railroad, freight	97 97
R. Philpot, sand and teaming	87 50
S. O. Eldridge, express	23 25
W. H. Ward, corporation bands . .	206 05
Sewall & Day Cordage Co., rope . .	3 25
Walworth Manufacturing Co., service	
boxes, etc.	181 95
R. Eccles, pattern	2 00
New England Machine Co., dies, etc.	49 60
Harry Stevens, express	17 40
H. S. Butterfield, wood at reservoir	150 00
Osgood & Hart, castings	55 06
Charles W. Badger, asphalt varnish	79 25
Edwin Grover, surveying at pond .	66 67
<i>Amount carried forward,</i>	<i>\$5,560 58</i>

<i>Amount brought forward,</i>	\$5,560 58	
Davis & Farnum Mfg. Co., castings	122 59	
King & Goddard, pipe, etc.	438 10	
J. L. Holbrook, stock	96	
Chadwick Lead Works, lead pipe	6 75	
Geo. H. Sampson, giant powder	36 10	
D. Roby & Co., cement	267 00	
Ames Plow Co., shovels, etc.	17 15	
Addison Lane, rent	90 00	
Walter B. Ellis	5 00	
Boston Rubber Shoe Co., rubber mittens	12 50	
Somerville Iron Foundry, castings	51 13	
Geo. M. Winslow & Co., cement	387 00	
Scrannage Bros. & Cook, brass work	147 00	
Frank A. H. Norcross, express	4 00	
S. E. Benson, cement	29 40	
City of Somerville, iron pipe	25 81	
Jonathan Nichols, sand	5 00	
	<hr/>	\$7,206 07
LESS.		
Services laid	\$957 49	
Stock sold	160 56	
	<hr/>	\$1,118 05
Net cost of construction, 1889		\$6,088 02
“ “ works, etc., Jan. 1, 1889		\$262,697 75
Cost of works, Jan. 1, 1890		<hr/> \$268,785 77

MAINTENANCE.

F. H. Tyzzer, painting	\$20 25
Bugbee & Barrett, sundries	32 47
L. F. Williams, printing	11 50
A. B. Smith	1 50
Woolen and Cotton Manuf. Mutual Ins. Co.	111 00
W. C. Stevens	9 00
C. F. Churchill, packing	30 00
“ “ engineer	900 00
Parker Merrill, registrar	1,200 00
J. W. Riley, superintendent	1,100 00
Globe G. L. Co.	4 00
G. F. King & Merrill, stationery	13 72
J. W. Hamilton, shoeing and repairs	19 42
James Newhall	11 00
Thomas Keating, carriage	1 25
Phillips & Hodgdon, hay and grain	196 84
G. F. Blake Manuf. Co.	7 75
Perry Bros., hardware	16 89
H. A. Hartley, mats	9 00
L. B. Wilder & Co., printing	50 50
Newhall Metal Polishing Co., polish	2 00
Dunton & Potter, printing	28 50
O. E. Drown, stock and labor	14 17
Mary D. Ellis, rent	60 00
Chapman Valve Co.	4 98
J. L. Fairbanks & Co., stationery	8 00
Vacuum Oil Co.	27 99
W. H. Ward	2 50
W. A. Goodnow, stock and labor	5 20
Tracy & Stevens	14 60
S. E. Benson, coal	1,104 01
<hr/>	
<i>Amount carried forward,</i>	\$5,018 04

<i>Amount brought forward,</i>	\$5,018 04
Sundry laborers	1,137 00
W. A. Hitchcock	2 00
W. B. Howe	13 50
Geo. B. Sargent & Son	90
C. W. Ellison	10 00
Wm. H. Conley	2 40
Wingate P. Sargent	25 00
Harry Stevens	32 40
Thomas McCoubry	66 21
W. W. Boardman & Co.	11 00
John Larrabee	2 60
J. C. Howes	12 00
John P. Deering	5 34
Ætna Rubber Mills	14 63
Robert Burlen	16 25
Fairbanks, Brown & Co.	10 15
L. W. Gilman	60
Eastern Supply Co.	5 30
R. Philpot	13 00
Frost & Hawes	7 03
Boston and Maine Railroad	9 00
Geo. W. Bartlett	121 04
Ames Plow Co.	85
Boston and Lockport R. B. R. Co.	1 25
Addison Lane	30 00
Fuller, Dana & Fitz	51 09
Westgate & Johnson	27 25
J. O. Chandler	9 35
J. W. Harmon	6 30
C. B. & F. H. Goss	2 28
Albert B. Franklin	14 35

Amount carried forward, \$6,678 11

<i>Amount brought forward,</i>	.	.	.	.	.	.	.	\$6,678	11
Wm. Morse	.	.	.	.	.	.	.	2	67
J. Edwards	.	.	.	.	.	.	.	21	40
J. T. Freeman & Co.	.	.	.	.	.	.	.	2	95
C. A. Whittemore	.	.	.	.	.	.	.	40	13
L. E. Chandler	.	.	.	.	.	.	.	3	00
Geo. L. Morse	.	.	.	.	.	.	.	50	00
A. L. Maclachlan	.	.	.	.	.	.	.	13	30
								<hr/>	
								\$6,811	56
Number of water takers	.	.	.	.	.	.	.	1,632	
“ families	.	.	.	.	.	.	.	1,631	
“ stores and shops	.	.	.	.	.	.	.	64	
“ motors	.	.	.	.	.	.	.	9	
“ boarding houses	.	.	.	.	.	.	.	6	

Respectfully submitted,

PARKER MERRILL,

Registrar.

REPORT OF THE SUPERINTENDENT.

TO THE WATER COMMISSIONERS.

Gentlemen :—In accordance with the usual custom, I herewith submit my annual report, giving in detail the operations of this department.

THE POND.

The following record will show the condition of the pond during the year. The lowest point October 20th, and over the dam December 10th.

RECORD.

Rise and fall of pond in 1889.

Jan.	1.	$\frac{3}{4}$ in. below high water mark.		
	10.	$3\frac{1}{3}$ in. above	"	"
	20.	$\frac{1}{2}$ in.	"	"
	30.	$1\frac{1}{2}$ in.	"	"
Feb.	10.	$\frac{1}{4}$ in.	"	"
	20.	1 in.	"	"
	28.	1 in.	"	"
Mar.	10.	$\frac{1}{2}$ in. below	"	"
	20.	$\frac{1}{4}$ in. above	"	"
	30.	$1\frac{3}{4}$ in. below	"	"
April	10.	$\frac{1}{4}$ in.	"	"
	20.	$\frac{1}{4}$ in.	"	"
	30.	$\frac{3}{4}$ in.	"	"
May	10.	$1\frac{1}{2}$ in.	"	"

May	20.	2½ in. below high water mark.		
	30.	Full pond.		
June	10.	½ in. above	"	"
	20.	2 in. below	"	"
	30.	7 in.	"	"
July	10.	9½ in.	"	"
	20.	11¾ in.	"	"
	30.	10½ in.	"	"
Aug.	10.	7 in.	"	"
	20.	5 in.	"	"
	30.	7½ in.	"	"
Sept.	10.	12 in.	"	"
	20.	11½ in.	"	"
	30.	13½ in.	"	"
Oct.	10.	14¼ in.	"	"
	20.	14¾ in.	"	"
	30.	14 in.	"	"
Nov.	10.	13⅛ in.	"	"
	20.	10½ in.	"	"
	30.	2 in.	"	"
Dec.	10.	1 in. above	"	"
	20.	1 in.	"	"
	30.	¼ in.	"	"

COMPARATIVE RECORD.

Showing the lowest points below high-water mark to which the pond has been drawn since 1874.

1874—Lowest point, 43 inches, Dec. 7.

1875—Lowest point, 61 inches, Feb. 22. Pond full, June 23.

Next lowest point, 33 inches, Nov. 10.

1876—Lowest point, 37 inches, Nov. 6. Pond full, March 25.

1877—Lowest point, 33 inches, Sept. 30. Pond full, March 15.

- 1878—Lowest point, 27 1-2 inches, Nov. 13. Pond full, Jan. 15. Pond full, second time, Dec. 14.
- 1879—Lowest point, 45 inches, Dec. 20. Pond full and running over at waste-way from Jan. 1, to May 20.
- 1880—Lowest point 63 1-4 inches, Dec. 30; highest point May 10; being then 12 inches below high-water mark.
- 1881—Lowest point, 65 inches, Jan. 8, at which time the water is down to the top of the pipe at the gate-house; commenced pumping, and continued until Jan. 22. The pump was started again Feb. 6, and run until Feb. 13. Pond full and running over from March 22 to April 30. Next lowest point 32 inches, Dec. 22.
- 1882—Lowest point, 37 1-2 inches, Dec. 21. Pond full and running over at waste-way from March 3 to April 3.
- 1883—Lowest point, 82 inches, Dec. 30. The highest point reached was 15 inches below high-water mark, May 30. Commenced pumping Sept. 23, and continued to pump to this time, Dec. 31.
- 1884—Lowest point, 82 1-2 inches, Jan. 1. Pond full and running over from April 16 to May 10. Next lowest point 40 1-4 inches, Nov. 23.
- 1885—Lowest point, 41 1-2 inches, Oct. 31. The highest point reached was on May 24, when it was 4 1-2 inches below high-water mark.
- 1886—Lowest point, 55 inches, Nov. 10. Full pond, running over at water-way from Feb. 14 to April 26.
- 1887—Lowest point, 41 3-4 inches, Dec. 10. Full pond from March 20 to May 10.
- 1888—Lowest point, 38 inches, Feb. 17. Full pond from April 3 to June 2, and from Nov. 30 to Dec. 31.
- 1889—Lowest point 14 3-4 inches, Oct. 20. Full pond, running over water-way Dec. 10.

TABLE SHOWING LEVELS BELOW SPOT POND ROLLWAY.

Surveys made in 1884 by PERCY M. BLAKE, C. E., and
GEORGE H. BISHOP, C. E.

Below Rollway.	
Feet.	Reservoir 98 feet above rollway.
0.00	Rollway.
5.61	Lowest point on pipe line bet'n Woodland ave. and Ravine rd.
22.39	Summit of Ravine road, near spring barrel in ground.
83.00	Northwest corner Ravine road and Washington street.
92.20	Intersection of Ravine road and Wyoming Avenue.
97.19	Intersection of Trenton street and Wyoming Avenue.
98.53	West rail Boston & Maine Railroad at Wyoming station.
0.37	Piazza floor of W. P. Sargent's house on Wyoming Hill.
99.62	Intersection Berwick street and Wyoming Avenue.
91.56	Corner Main and Foster streets.
86.06	Fall from rollway to top of underpinning of Town Hall.
32.00	Sill of lower window of J. O. Norris' house, Cedar Park.
92.17	Intersection of Main and Essex streets.
41.09	Intersection of Upham street and Bellevue Avenue.
13.78	Sill of Upham street schoolhouse.
18.00	In front of G. W. Chipman's house on extension of Tremont st.
3.00	Top of hill, opposite G. W. Chipman's house.
73.00	Track of Boston & Maine railroad, 100 ft. north of Franklin st.
18.00	Foundation of P. W. Curry's house, Orris street.
3.16	Doleful Pond above Spot Pond, Nov. 13, 1884.

HYDRANTS.

Every hydrant has been thoroughly examined, cleaned and oiled and neatly painted.

Eleven new hydrants have been added since the last report, and are located as follows:

One on Albion street, near W. H. Stewart's house.

Two on Baxter, near Cleveland and Whittier streets.

Two on Bellevue avenue.

One on Botolph, near Summit avenue.

One on Chestnut Park.

One on Dill court.

One on Second street, corner Gooch street,

One on Union street, near Boardman house.

One on Woodland avenue, opposite Gyngalls' house.

SERVICE PIPE.

One hundred and thirty-five new services have been laid during the year.

$\frac{3}{4}$ in. pipe from mains to street line, 2,780 feet.

$\frac{3}{4}$ in. pipe from street line to cellars, 2,538 feet.

GATES SET IN 1889.

One 6-inch on Baxter street, junction of Cleveland street.

One 6-inch on Bellevue avenue, junction of Porter street.

One 4-inch on Botolph street, junction of West hill avenue.

One 4-inch on Botolph street, junction of Woodland avenue.

One 4-inch on Baxter street, junction of Whittier street.

One 4-inch on Gooch street, junction of Grove street.

One 4-inch on Linwood avenue, junction of Lynde street.

One 4-inch on Melrose street, junction of Warren street.

One 4-inch on Sixth street, junction of Third street.

One 6-inch on Third street, junction of Larrabee street.

- One 6-inch on Grove street, junction of new street.
- One 6-inch on Grove street, junction of new street.
- One 6-inch on Grove street, junction of new street.
- One 4-inch on Bellemont street, junction of new street.
- One 6-inch on Orris street, junction of new street.

RESERVOIR.

During the year, the pine trees in the vicinity of the reservoir have been removed, since which time we had no farther trouble from pine needles being blown into the reservoir, thus avoiding the necessity and expense of drawing off the water and cleaning the basin.

PUMPING STATION.

The buildings are in good order, except the coal sheds, which should be painted this year. The pumps and boilers are in good repair, and have been well kept. Expenses for repairs have been slight the past year, the engineer having done the work required.

FURNITURE, STOCK, &C., ON HAND JAN. 1, 1890.

Stock on hand, estimated cost	.	.	.	\$1,788 70
Office furniture.	.	.	.	475 00
Tools and fixtures at pumping station	.	.	.	100 00
Tools and fixtures at shop	.	.	.	850 00
Horses, wagons, &c.,	.	.	.	850 00
				<hr/>
				\$4,063 70

Respectfully submitted,

JAMES W. RILEY,
Superintendent.

TOTAL AMOUNT AND LOCATION OF MAIN AND DISTRIBUTING PIPES
TO PRESENT TIME.

STREETS.	FEET OF PIPE.							Hydrants.	GATES.					
	16-in.	14-in.	12-in.	10-in.	8-in.	6-in.	4-in.		16-in.	12-in.	10-in.	8-in.	6-in.	4-in.
Albion.....							477	1						1
Allen Place.....							138							1
Ashland.....							1,955	2						4
Auburn.....							372							1
Avon.....							422							1
Baxter.....						946	494	3				1		1
Battery Place.....							150							1
Batchelder.....							834	1					2	
Borneo.....						924		2				1		
Bellevue Avenue.....						1,416	1,026	4				2		
Botolph.....						232	847	2				2	2	
Belmont.....							376							1
Berwick.....							1,226½	1					2	2
Brazil.....							1,115	2						2
Cedar Park.....							1,206½	595	2				2	1
Charles.....							335	1						
Chestnut.....							817	1					2	
Circuit.....							438						2	
Cleveland.....							1,065	1						1
Cottage.....							1,142	193	2				2	
Chestnut Park.....							226	1						
Dell Avenue.....							1,190							1
Dill's Court.....							360	1						1
East.....							534							1
Ellsworth Avenue.....								314						1
Elm.....							1,057	1						1
Emerald.....							508	1					2	
Emerson Place.....								251						1
Emerson.....						1,159½	3,987	6				2	4	
Essex.....							1,890	3					2	
Felton Place.....								245						1
Fifth.....							934							3
First.....						1,883		3				2		
Florence.....							1,340½	1					2	
Foster.....						682	1,470½	2				1	2	
Franklin.....						3,305½	1,169	4					2	
Gooch.....							657							1
Glen.....							532							1
Goodyear Avenue.....						1,235	398	4				2		
Green.....						2,700		3					2	
Greenwood.....							1,263	1					2	
Grove.....						1,865	1,669½	4					1	
Grundy Place.....								202						1
Herbert.....							220	158½						1
High.....							376	600	1					1
Highland Avenue.....								250						1
Hillside Avenue.....							337	291						1
Howard.....							922	383	1					2
Hurd.....							768							1
Ingalls Court.....								209						1
Irving.....							387							1
Lake Avenue.....							1,230	1						2
Lebanon.....							3,175	2						3
Linden.....								200						1
Linden Place.....								286						
Lin'd Ave. & Lynde.....							3,336	3						2
Lynde Place.....							380	1						1
Main.....			4,010			4,359	1,069	701	10	2			2	3
Maple and Poplar.....							2,265½	2						3
Melrose.....							2,449½	2						5
Melrose Place.....							673							1
Mt. Vernon.....							551	1						1
Mt. Vernon Place.....							224							1

TOTAL AMOUNT AND LOCATION OF MAIN AND DISTRIBUTING PIPES
TO PRESENT TIME.—*Continued.*

STREETS.	FEET OF PIPE.							Hydrants.	GATES.					
	16-in.	14-in.	12-in.	10-in.	8-in.	6-in.	4-in.		16-in.	12-in.	10-in.	8-in.	6-in.	4-in.
Myrtle.....							2,230		3					6
Ninth.....								255						1
Oakland.....							1,161		1					1
Orient.....							1,047		1					2
Orient Place.....								184						1
Orris.....							1,268							3
Otis.....								780						
Panama.....						112								
Para.....						268								
Perkins.....							236							1
Pine.....							338		1					1
Pleasant.....						186		1,125	1					1
Porter.....							2,514½		3					1
Pond to Wy'ng Ave.....	3,810								2					
Pratt.....							378		1					1
Prospect Avenue.....							500		1					1
Pump to int'section.....			3,032						2	2				
Prospect.....							1,026		1					1
Reservoir.....		96												
Rowe.....							910	552	2					3
Res. to Ravine Rd.....		1,370							2					
Russell.....							448			2				1
Sanford.....						220								
School.....								495						
Second.....						1,318			4				1	
Seventh.....								288						1
Short.....							216							2
Sixth.....							810							3
Stevens Place.....							110	216						
Summer.....							961		2					2
Summit Avenue.....							442		1					1
Suction.....			250											
Tappan.....								521						1
Tenth.....							419							2
Third.....							371	247						2
Tremont.....							3,180	500	3					4
Trenton.....						1,223	1,331½		2				2	
Tibbetts Place.....							144							1
Union.....							673							2
Upham.....							5,581		6					3
Vine.....							691							2
Vinton.....						4,817½	436		7				4	
Walnut.....							187½							1
Walton Park.....							1,097		2					
Warren.....							1,342		2					2
Washington.....				960			3,025		3		2			2
Waverly Place.....							690½		1					1
West Hill.....							158							1
Wing.....							375							1
Willow.....								663						1
Winter.....							241							1
Winthrop Place.....							520		1					
Winthrop.....							695½							2
Woodland Ave.....							134		1					
Wyoming Avenue.....	3,360						1,076		3	3				1
Waste.....						55	51						3	2
Youle.....							1,655½		2					1
Grove, South.....						232							1	
" South.....						158							1	
" South.....						228							1	
Bellemont, West.....							302						1	
Orris, South.....						162							1	
	7,170	96	8,752	960	1,235	28,700	89,298	10,993	142	5	6	2	2	39
													137	21

Total length of main and distributing pipes, 27 85-100 miles.

STREET MAINS. TABLE SHOWING LOCATION, SIZE, LENGTH OF PIPE, ETC., LAID IN 1889.

REPORT OF WATER SUPERINTENDENT.

33

Street.	Size of Pipe.				Cost of Pipe.	Labor.	Bbls. Cement.	Sand. Loads.	Cost Per Foot.	Gates.		Hydrants.		Branch.		Total.			
	12	10	8	6						6	4	6	4	6	4				
Bellevue ave.	642	26			\$264 60	\$118 12	36 5/4	5	\$8 75	66 2/3	1	2	2	\$66 00	1	1	\$20 76	\$550 73	
Botolph, Ledges.	232	412			226 40	215 12	29 43	50	8 75	78 1/4		2	2	29 00	1	1	8 25	564 02	
Melrose	135				54 00	24 32	8	12 00	1	68 1/4	1			18 50			6 25	116 82	
Whittier & Sanford	946	10			381 40	127 53	54	81 00	6	62 7-9			2	66 00	6	31	50	716 43	
Cleveland		197			49 10	35 75	8	12 00	1	49 15-19		1	1	15 10				113 20	
Union		143			42 90	16 50	8	12 00	1	51	16	6	1	33 00	1	3	00	112 50	
Albion		32			9 60	6 00	2	3 00			6	3	1	33 00				55 20	
Dill court						6 00	1	1 50			4	2	1	33 00	1	3	00	45 90	
Chestnut Park											2	2	1	33 00				48 80	
Linwood ave.		222			66 60	29 30	9	13 50	1	50	3	18	60					129 50	
Sixth		518			155 40	78 38	21	31 50	2	51	3	14	50		1	3	25	286 53	
Woodland ave		134			40 20	41 18	6	9 00	1	51 46-51	1	1	1	14 50	1	4	00	128 63	
Gooch		320			96 00	61 66	12	18 00	1	68 5-13	1	1	1		1	3	00	184 41	
Franklin	150				60 00	115 12	6	9 00	1	55 9-32								185 62	
Sanford	220				88 00	30 56	12	18 00	1 1/2	124 11-15								138 56	
Pleasant	186				74 40	13 52	10	15 00	1	2 00	56	1-9						104 42	
Grove, off Whitman	158				63 20	30 56	8	12 00	1 1/2	63	1	18	50		1	5	25	131 50	
Grove, off Goss	228				91 20	36 64	12	18 00	2	68 1-7		20	60		1	5	25	174 19	
Grove, off Faxon	232				92 80	32 98	12	18 00	2	65 1-16		18	50					164 78	
Third	104				41 60	17 79	8	12 00	2	62 18-29		22	00					95 89	
First	80				32 00	11 59	4	6 00	1	71	1	2						50 84	
Gooch		337			101 10	48 64	16	24 00	2 1/4	63 11-30								179 99	
Second	133				53 20	20 00	9	13 50	1	52 50-67		33	00	1	3	25	5	25	126 45
Circuit		282			84 60	33 70	12	18 00	2	66 7-22		2	50	2	6	00	2	144 80	
Off Orris,	162				64 80	46 89	10	15 00	1	49 1/4								151 69	
Off Bellemont		302			90 60	42 42	13	19 50	2	72 65-81		1	18	50	5	25	172 52		
Melrose place		163			48 90	21 55	7	10 50	2	50 9-10		1	14	50	3	00	83 45		
										51 1-5									

REPORT

OF THE

WATER LOAN SINKING FUND COMMISSIONERS.

MELROSE, Dec. 31, 1889.

The Water Loan Sinking Fund Commissioners present the following report, covering the year ending with the above date.

The amount on hand in cash at the beginning of the year was	\$2,418 05
Received from various investments, interest	1,687 31
Received from the Water Board, being surplus income for the year ending Dec. 31, 1888	3,829 22
There has been invested in mortgages on real estate in Melrose	2,500 00
Deposited in Suffolk Savings Bank, Boston	1,000 00
Deposited in Five Cents Savings Bank, Boston	1,000 00
Deposited in Melrose Savings Bank	3,424 58

For particular account of the above receipts and investments, reference is made to the report of Mr. George Newhall as treasurer of the Sinking Fund.

The present condition of the Sinking Fund is as follows :

Invested in mortgages on real estate in Melrose	\$16,300 00
Invested in Melrose Water Bonds, high service, 4s, due in 1905	13,000 00
Invested in Melrose Water Bonds, construction 4s, due in 1907	3,000 00
United States bonds, 4½ per cent.	3,500 00
City of Providence 5 per cent. bonds	1,000 00
Deposited in Savings Banks :	
Suffolk, of Boston	\$1,000
Five Cent, of Boston	1,000
Melrose Savings Bank	3,424 58
	<hr/>
	5,424 58
	<hr/>
	\$42,224 58

This amount will be further increased when the fund receives from the Water Board the surplus income for 1889 \$4,284 50

The first issue of water bonds was \$100,000.00. These bonds will fall due July 1, 1890. To meet them we have the above-named fund, together with such interest as may be earned during the next six months ; the premium from the sale of our present securities, and the premium, if any, from the sale of such new bonds as the town may decide to issue, and this aggregate amount will, your commissioners estimate, amount to \$50,000.00, leaving \$50,000.00 to be paid from the proceeds of an issue of new bonds, or in some other manner.

Your commissioners would recommend the issue of new bonds for \$50,000.00 in pieces of \$1,000.00 each, bearing interest at the rate of four per cent. per annum, payable semi-annually ; said bonds to be made payable as follows : \$10,000.00 on July 1, 1895, and \$10,000.00 each year there-

after, till all are paid. Your commissioners estimate that with the saving of interest in the refunding of this portion of the loan, and from the growing surplus coming annually to this fund from the water department, the Sinking Fund will easily pay these bonds as they become due. In connection with this, your commissioners would call your attention to the fact that the second issue of these bonds, \$50,000.00, will become due in 1892, when some provision will have to be made for their payment.

The total water debt, after paying the above sum of \$50,000.00, will still amount to \$167,000.00, as the issue of new bonds since 1885 has increased the debt somewhat faster than the Sinking Fund has increased.

STATEMENT OF WATER DEBT.

Bonds due July 1, 1890	\$100,000 00
Less estimated available assets in Sinking Fund	50,000 00
	<hr/>
	\$50,000 00
Bonds due Oct. 1, 1892 (6 per cent.) . . .	50,000 00
High Service, due Nov. 1, 1905 (4 per cent) .	37,000 00
Construction Bonds, due May 1, 1907 (4 per ct.)	30,000 00
	<hr/>
	\$167,000 00

Respectfully submitted,

DANIEL RUSSELL,

JOHN W. FARWELL,

ROYAL P. BARRY,

Water Loan Sinking Fund Commissioners.

REPORT OF THE TRUSTEES

OF THE

MELROSE PUBLIC LIBRARY

FOR THE

YEAR ENDING DECEMBER 31, 1889.

MELROSE :

DUNTON & POTTER, PRINTERS.

1890.

NINETEENTH ANNUAL REPORT
OF THE
TRUSTEES OF THE PUBLIC LIBRARY.

The trustees of the public library in submitting their nineteenth annual report, take pleasure in stating the progress that has been made during the year, in the general work of the institution.

Early in the spring we placed in the library and reading room the books purchased from the William Emerson Barrett Fund, relating to Architecture, Landscape Gardening and Interior Decoration; and distributed throughout the town finding lists, containing the titles of these, as of the other works in the library bearing on the same subject.

To make the library more helpful to the public schools, the trustees have informed the teachers, that at any time when especial topics are to be used in the lessons, the librarian will make a list of the books in the library pertaining to the subject, provided she is duly notified of the topic; and will send the same to the teacher so requesting it.

Heretofore, the library has been opened on Wednesday afternoon and evening, but by dispensing with the afternoon hours of this day only, and opening on Tuesday, Thursday and Friday from four to five p. m., we have a daily distribution of books, thereby increasing the efficiency of the circulation and more generally meeting the wants of the patrons. Library hours will be Monday and Wednesday, from 6.30 to

9 p. m. ; Tuesday, Thursday and Friday, 4 to 5 p. m. ; Saturday 2.30 to 9 p. m.

The reading room will be open as usual every evening in the week, also on Wednesday and Saturday afternoons, with the exception of legal holidays and the monthly meeting of the school committee.

The rule, regarding the distribution of books, has been so modified that hereafter no book returned to the library will be delivered the same day. We regret that abuse of the privilege of transferring from card to card necessitated this change.

The income from the Horatio Nelson Perkins Fund, has been expended in continuing the early history of our republic, by purchasing the Life of Washington from 1776-77 in five volumes, by Washington Chauncy Ford.

Government Reports of Working Women in large cities, and Marriage and Divorce 1867-1886, have been received through the kindness of Mr. C. S. Mixter, to whom, as to all other donors of books or pamphlets, the thanks of the board are extended.

We call attention to the Query Book, which, with pencil attached, will be found on the reading desk in the reading room. We hope it will be used discreetly, as it is intended only for such questions as remain unanswered after thorough search by the querist.

What are we to do for library room, is still the perplexing question ? Each year perceptibly diminishes our space for storing the books, as well as the shelf room for those in daily use, and crowds the patrons nearer and nearer the door; yet the outlook for better accommodation does not brighten.

May we suggest a Memorial Hall, one that would architecturally honor not only our fallen, but our living heroes? One that would have room, not for the books as now arrang-

ed, but would permit of a complete classification of the whole library, including its valuable war records and public documents.

The faithful librarian and her assistants have cheerfully attended to their increasing duties.

The statistics of the library and reading room will be found in the annexed report of the librarian.

For the year 1890-91, your trustees ask an appropriation of seven hundred and fifty dollars and the dog tax, for the library and reading room.

Respectfully submitted,

ELBRIDGE H. GOSS,
CHARLES C. BARRY,
RUBY F. FARWELL,
MARY L. CHARLES,
CHARLES A. PATCH,

Trustees.

MELROSE PUBLIC LIBRARY.

STATEMENT OF HORATIO NELSON PERKINS FUND.

JANUARY 1, 1889, TO JANUARY 1, 1890.

CR.

By balance on hand Jan. 1, 1889	\$500 90
interest from Melrose Savings Bank . .	20 00
	<hr/>
	\$520 90

DR.

To cash paid G. P. Putnam's Sons, book . .	20 00
Balance on hand	500 90
	<hr/>
	\$520 90

STATEMENT OF THE WILLIAM EMERSON BARRETT FUND.

JANUARY 1, 1889, TO JANUARY 1, 1890.

CR.

By amount of gift	\$100 00
interest from Melrose Savings Bank . .	2 92
	<hr/>
	\$102 92

DR.

To cash paid DeWolf, Fiske & Co., books . .	\$26 62
“ “ T. W. Ripley, printing	75
Balance on hand	75 55
	<hr/>
	\$102 92

COLLECTIONS BY LIBRARIAN.

For catalogues sold during the year	8 40
finer collected	71 54
	<hr/>
	\$79 94

Less for sundry expenses, post-office box, tapes, carpet, stamps, stationery, etc.	26 16
	<hr/>
Balance on hand	\$53 78

Respectfully submitted,

C. A. PATCH,

Treasurer.

STATISTICS FOR 1889.

Number of volumes in library, Jan. 1st, 1889 . . .	7,816
“ “ purchased this year . . .	369
“ “ donated “ “ . . .	10
	<hr/> 379
“ “ in library, Jan. 1st, 1890 . . .	8,195
“ persons using library, Jan. 1st, 1889 . . .	3,170
“ cards issued this year . . .	321
“ “ relinquished this year . . .	37
	<hr/> 284
“ persons using library, Jan. 1st, 1890 . . .	3,454
Largest number of volumes issued in one day . . .	495
Smallest “ “ “ “ . . .	56
Average “ “ “ Mondays . . .	97
“ “ “ “ Saturdays . . .	375
Whole “ “ “ March . . .	3,533
“ “ “ “ May . . .	2,705
“ “ “ “ November . . .	2,932
“ “ “ “ December . . .	2,370
“ “ “ “ in 1889 . . .	33,052

READING ROOM.

Number of persons using the reading room, Jan. 1,	
1889	10,908
Number of persons using the reading room, Jan. 1,	
1890	11,701
Largest number of visitors in one month . . .	1,282
Smallest “ “ “ “ . . .	812
Largest “ “ “ day . . .	143
Books brought from library for use in reading room	124
Number of books replaced in 1889 . . .	100
“ “ re-bound . . .	771
“ magazines bound for library . . .	30

MAGAZINES.

DONORS.

American Agriculturist	.	.	.	.	.	.	.
American Naturalist	.	.	.	.	.	.	.
Art Amateur	.	.	.	.	.	.	.
Art Magazine, Cassell's	.	.	.	.	.	.	.
Atlantic	.	.	.	.	.	.	.
Academy	.	.	.	.	.	Daniel Jefferson.	.
Century	.	.	.	.	.	.	.
Chambers	.	.	.	.	.	.	.
Chautauquan	.	.	.	.	.	.	.
Cottage Hearth	.	.	.	.	.	F. P. Shumway.	.
Cosmopolitan	.	.	.	.	.	A Friend.	.
Eclectic	.	.	.	.	.	.	.
English Mechanic	.	.	.	.	.	.	.
Electrical Review	.	.	.	.	.	G. W. Mansfield.	.
Forum	.	.	.	.	.	.	.
Gartenlaube	.	.	.	.	.	.	.
Harper's	.	.	.	.	.	.	.
" Young People	.	.	.	.	.	.	.
" Bazar	.	.	.	.	.	.	.
" Weekly	.	.	.	.	.	.	.
Littell's Living Age	.	.	.	.	.	.	.
London Punch	.	.	.	.	.	.	.
London Illustrated News	.	.	.	.	.	.	.
Lippincott's	.	.	.	.	.	A Friend.	.
Literary World	.	.	.	.	.	Daniel Jefferson.	.
Magazine of American History	.	.	.	.	.	.	.
Modern Light and Heat	.	.	.	.	.	G. W. Mansfield.	.
Nation	.	.	.	.	.	.	.
North American Review	.	.	.	.	.	.	.
New England	.	.	.	.	.	.	.
Outing	.	.	.	.	.	.	.

MAGAZINES.

DONORS.

Overland	
Popular Science Monthly	
Scribner's	
St. Nicholas	
Science	
Scientific American	W. B. Howe.
Scientific American, Architect and Builder	
Wide Awake	
Political Science Quarterly	

DONATIONS.

Pamphlets.

Number of pamphlets in library Jan. 1, 1889	1,054
Annual Report of Boston Public Library	1
“ “ “ Chelsea “ “	1
“ “ “ Chicago “ “	1
“ “ “ Holbrook “ “	1
“ “ “ Lancaster “ “	1
“ “ “ Malden “ “	1
“ “ “ Manchester, N. H., Public Library	1
“ “ “ Newton “ “	1
“ “ “ Watertown “ “	1
“ “ “ Woburn “ “	1
“ “ “ Somerville “ “	1
Report of Librarian of Maimonides Library	1
Official Gazette of U. S. Patent Office	53
The Tuftonian	17
Bulletin of Boston Public Library	2
Progress and Poverty	D. Jefferson 1
Letters on the Annexation of Santo Domingo	“ “ 1
Causes and Prevention of Idiocy	“ “ 1
A Letter for State Reform School for Girls “ “	1
31st Annual Report of the Washington Home	“ “ 1

BOOKS.

BOOKS.

DONORS.

The Fisheries and Fishing Industry in United States, Geo. B. Goode, . . .	Henry C. Lodge.
Lectures on Science and Art, D. Lardner, 2 vols.,	H. R. Curtis.
Travels in the Great Western Prairies, T. J. Farnham,	H. R. Curtis.
Book of the Indians of North America, S. G. Drake,	H. R. Curtis.
The Mountain Hero, H. W. DePue, . . .	H. R. Curtis.
Webster, An Ode,	F. S. Osgood
The Private Life of Monsieur Guizot, Madame DeWitt,	A Friend.
Profit Sharing, N. P. Gilman,	Rev. J. H. Heywood.
Bibliography of Melrose, E. H. Goss.	

PAPERS.

DONORS.

Alta California	
Christian Register	Woman's Aux. Unit. Church.
Cincinnati Gazette	
London Weekly Times	
Melrose Journal	W. B. Howe.
Melrose Reporter	Dunton & Potter.
New York Tribune	
National Tribune, G.A.R.	
Pilot	
Springfield Republican	
Weekly Inter-Ocean	
Weekly Courier-Journal, of Louisville, Ky.	
Weekly News and Courier, of Charleston, S. C.	
Woman's Journal	Mrs. M. A. Livermore.
Youth's Companion	
Union Signal	Miss H. G. Ricker.
The Unity	Miss Clarimond Mansfield.

C. M. WORTHEN, *Librarian.*

ANNUAL REPORT

OF THE

SCHOOL COMMITTEE

OF THE

TOWN OF MELROSE,

FOR THE

Year Ending December 31, 1889.

MELROSE:

DUNTON & POTTER, PRINTERS.

1890.

SCHOOL COMMITTEE.

ORGANIZATION.

JOHN O. NORRIS, <i>Chairman</i> ,	.	.	Term expires, 1890.
MRS. S. W. BRADBURY,	.	.	" " 1890.
MRS. A. B. P. WATERHOUSE,	.	.	" " 1892.
MR. C. F. LORING,	.	.	" " 1892.
MRS. A. K. MILLER,	.	.	" " 1891.
MR. JOHN C. MAKER, <i>Secretary</i> ,	.	.	" " 1891.

SUB-COMMITTEES.

On Accounts.

MR. LORING.
MR. MAKER.
MR. NORRIS.

Centre District.

MRS. MILLER.
MRS. WATERHOUSE.
MRS. BRADBURY.

On High School.

MR. NORRIS.
MRS. BRADBURY.
MRS. WATERHOUSE.
MR. LORING.
MRS. MILLER.
MR. MAKER.

Highlands District.

MRS. WATERHOUSE.
MR. LORING.
MR. MAKER.

Wyoming District.

MR. MAKER.
MRS. BRADBURY.
MRS. WATERHOUSE.

Text-Books and Course of Study.

MR. NORRIS.
MRS. MILLER.
MR. LORING.

REPORT OF SCHOOL COMMITTEE.

To the Citizens of Melrose:

The report of the School Committee for the year 1889 is respectfully presented.

BUILDINGS AND OTHER PROPERTY.

These are in a better condition in many respects than at the time of the last annual report, and in no respect are they worse.

The principal repairs have been on the Grove street and Franklin school houses.

The buildings were painted outside and inside as much as necessary, the walls of the Grove street building were kalsomined, and the furniture in both buildings was scraped and finished so that it looks like new. These buildings, those at the Centre, at Vinton street, at the Fells and at Swain's Pond, are in very good condition.

The high school building will need attention next year. It has needed repairs for some time, but the uncertainty in the mind of the committee as to the fate of the proposal to change the interior, has led them to do as little as possible. Now that the question of remodelling is settled, there is no reason for further delay.

It has been necessary to open a school this year in the old school house at the Highlands.

This involved many repairs, the purchase of a new furnace, and the expenditure of considerable money that was not anticipated a year ago.

Yet this course seemed wise, especially when one considers the large number of young children of school age, residing on the west side of the railroad in this section of the town.

Should this building and the one at Green street continue to be used for school purposes, it will be necessary to put them into the best condition possible and to keep them so.

The complaints that were formerly made of discomfort to the pupils at the Green street building, have not been renewed since the one room used was put into order for a school.

Whether a winter of extreme cold would show the old building to be unfitted for use, with better methods of heating and better care than were formerly used, remains to be settled by trial.

With such a temperature as has prevailed during last winter and this, these rooms answer very well.

In the last report, attention was called to proper care of the furniture and other school property. We are pleased to note a great improvement in those respects in the buildings that have been put into good repair, and commend the care that has been exercised by pupils and teachers.

This is as it should be, and we venture to say that those rooms that have been cared for best, have on the whole witnessed greatest progress in study, and the best conduct and spirit in the pupils.

Ventilation is the most important subject that has been before your committee with reference to the condition of our buildings.

Like most of the towns of our state, we have not a single building that is properly ventilated.

It is true that some are provided with fireplaces, and that a fireplace with a fire in it produces some change of air, but by no means such a change as is required to remove impure

air from a room 25 x 30 feet, containing fifty or more pupils.

The best authorities all agree that about 50 cubic feet are required by each pupil, every minute; this makes 2500 cubic feet per minute for a class of 50 pupils. Now, if the ventilating opening is one foot square, there must be a current passing through it at the rate of 2500 feet per minute to do what is required.

This must satisfy every one that although a fireplace in an ordinary house, occupied by half a dozen people, affords a very satisfactory means of ventilation, it is of very little account in a crowded schoolroom.

Of still less use are the ordinary ventilating ducts usually built in the corners of schoolrooms, and opening into a ventilator, so-called, on the roof of the building.

There is usually very little motion of air through them, and frequently none at all, because there is nothing to give it motion.

The remedy lies in having larger openings for the admission of pure air, which in cold weather should be first warmed, and larger openings and flues for the removal of the foul air, and in these flues some heating apparatus or a revolving fan to create a current of sufficient velocity to do the business.

To introduce either of these plans will entail some expense, both for introduction and for maintenance, especially in the matter of fuel; but something of the kind is demanded by the law of the State, recently enacted, and by the health, comfort and progress of our children.

There is no more fruitful cause of disease than the foul air of our schoolrooms.

"For there are not only the inevitably vitiating effects produced by respiration and the constant activity of the skin in persons who are healthy and cleanly, but the additional exhalations proceeding from unclean bodies, from

ill-odored mouths, from decaying teeth, from dirty clothing too frequently accompanying the schoolboy or schoolgirl to the crowded room which is the scene of their daily tasks.

The effects of breathing and re-breathing an atmosphere thus charged with harmful matters are not far to seek. We all remember the unpleasant closeness, the headache, the languor, and sometimes nausea, resulting.

Besides these direct effects of inhaling a foul atmosphere, an indirect and not less significant consequence is recognized.

Disease may be powerless in its assaults on the perfectly healthy human system, while it may find lodgement in a body which bad air, by lowering the tone and depressing the vital vigor, has made an easy victim of epidemic influences.

Many a case of sickness proves fatal on account of an unperceived prostration of the sufferer's strength by continuous exposure to an atmosphere impure from the exhalations from the body."

All over our State there is great activity in striving to remedy this condition of things in schoolhouses.

Within two years the neighboring city of Chelsea has spent thousands of dollars in improving the sanitation and ventilation of her schoolhouses. Malden has done the same, and other towns and cities are following the example.

If the health and bodily vigor of our children did not call loudly upon us to act, if humanity did not urge upon us the necessity of doing something, common-sense, which says that, in order to obtain our fair share of the desirable exodus from the cities into suburban towns, building them up in material prosperity, we must not lag behind in those matters that make a town desirable for residence, would cause us to try to obtain the best that can be had.

We recommend the consideration of this matter in the appropriation for school contingent expenses this year, in order that a beginning, at least, may be made.

The subject of school accommodations is one that must be frequently considered. In September all our rooms will probably be occupied, as many of the classes are so crowded this year that we cannot avoid opening additional schools next year.

The high school needs additional room and better facilities for doing its work. Its numbers are constantly increasing, and it should have appropriate quarters fitted up in a way that will be as good as those of other first-class towns in the State.

Melrose is not so poor that she needs to defer action in this matter. We believe that the time has come for the erection of a good high school building, of such dimensions as will accommodate the growing wants of the school for many years, and of such a character in design and construction as will be creditable to our town.

We are happy to record that Melrose has not been behind her neighbors in the desire of her citizens that each of her school buildings should possess the national flag, which from its position above their roofs, may speak to the pupils of the great duties of patriotic citizenship, may stimulate and foster in each soul the feeling of love and fidelity to country, respect for good government, obedience to law, a jealousy of the nation's honor and renown, and thus make them worthy of their inheritance from the fathers.

The committee acknowledge the receipt of flags from the following citizens: Mr. J. D. Wilde, Maj. W. Irving Ellis, Hon. Wm. E. Barrett, citizens of the Highlands, through Master Bucknam, U. S. Grant Post 4, G. A. R., and of flags enough for the school buildings not otherwise provided for, from a committee of citizens headed by Mr. F. P. Shumway, Jr., and Mr. Geo. T. Brown, president of the Republican Club, to whose earnest efforts must be attributed in a great measure the success of this important movement to benefit our pupils.

To each and all of the above named, the committee express their sincere thanks, as well as to every citizen who joined in the undertaking.

The best lessons are object lessons, and it is for this object lesson on the national emblem that we return thanks.

This act tells every boy and girl in our town, in a very practical way, that our citizens love the "old flag"—that it means a great deal to them, and that they would have our sons and daughters hold it in the same estimation.

Such acts teach patriotism better than all the talk about it for years and years.

SCHOOL DISCIPLINE.

At a time when there is so much excitement on this subject in a neighboring city, it is a subject of congratulation to our town that its school discipline resorts to but little corporal punishment. We have but a few cases in the course of the year; in many of the schools there are none at all. Yet the visitor, as he passes from school to school, will see very little disorder, and scarce any insubordination.

There have been no cases of expulsion from school during the past year, and very few in which the committee have been called upon to act.

There will naturally be more of such cases in schools that make little use of corporal punishment as a means of enforcing obedience.

There is sometimes a misrepresentation on this point, and a pupil who has been sent home for the rest of the day, or until his parents can see the teacher, is spoken of as having been expelled from the school.

This is not true. A pupil can be expelled only by act of the school committee. Teachers have no power to expel; they can only suspend pupils, and refer the matter to the committee.

The expulsion of a pupil from our schools is of very rare occurrence. The writer does not recall a single case during his connection of three years with the committee.

It seems to us that it would be far wiser to restrict the term to its proper meaning, and not put upon pupils the stigma of an act that has never been performed.

The first essential to good discipline is obedience on the part of pupils. This should be prompt and cheerful.

Such obedience can be secured by insisting on such regulations and such a line of action as is manifest to all but the most stupid, or most vicious, to be for the good of the whole class of pupils.

Children of a comparatively youthful age can be taught that such liberty of action as can be allowed in the homes or to small groups of children, is impossible to the members of a large company, each of whom is expected to act in unison with the other members.

They can be made to realize that school regulations in general are a necessity, and then can be made to feel that disobedience is a wrong thing.

With this idea firmly held to, the majority of children can be made to understand and recognize the duty of obedience, a very important step in moral training.

For the child that acquires the sense of an obligation to perform his duty, has laid the foundation for true manhood and is preparing for true service as a citizen and as a member of the great brotherhood of mankind. This work is the most important of any that our teachers can perform for our children.

To it they cannot address themselves with too much patient effort. It may be in some cases a discouraging and even an almost hopeless task, yet remembering, that the fate and character of the individual himself, and the happiness and well-being of the vast numbers with whom he will

be associated, and over whom he will exert an influence, depend on the growth of this element of his character, they will turn to the task again and again, until, perhaps encouraged by their interest, patience and perseverance, the child begins to try to do better. Then the victory is won. For none of us can do more than that, and that desire, if kept alive, will, by and by, shine with a pure and steady light, making plain and clear the pathway in which he will walk with steady and unfaltering steps.

In bringing about this result it is desirable that parents should work with the teachers.

Sometimes, unfortunately, this is not the case. Parents have been known to direct their children to disobey the commands of their teachers.

They have been known to tell their children deliberately to do certain things, if a request to do them was refused by a teacher.

How can it be expected that such children will be respectful, orderly and obedient? If the day of miracles had not passed, and the relations of cause and effect were out of existence, we might expect good results from such parental discipline, but at the present day we expect trouble with such children and generally get it.

Teachers may make unwise regulations, and unnecessary restrictions; fortunately they are human, and liable to err; but the wise course is to call their attention to the defects, to show how and why they are defective, and thus bring about a remedy.

Many a teacher being human, can see an opportunity and a way to improve when a matter is presented candidly and calmly so that its relations to the home and the individual pupil may be seen as well as its relation to the school, which may have been the most prominent, who would turn a deaf ear at once to a rude message delivered by an impu-

dent boy, or become too angry at a sarcastic, or dictatorial letter to view a matter fairly.

There are rights and duties on all sides of this matter, and whoever ignores any of them is likely to be biased in opinion and partisan in action.

Fairness is always to be borne in mind, and an attempt to look at the matter from opposite standpoints often is helpful to both teacher and parent.

One phase of this subject deserves a more than passing notice. It is the dismissal of pupils during the session at the request of parents.

It seems to be the opinion of many parents that they have the right to have their children come out of school at any time. We cannot think this position correct.

As a matter of courtesy, the teacher may allow the pupil to go home before the end of the session, as the parent might allow him to go to school an hour before the time for beginning the session, if the teacher should request it.

But neither party has the right to demand any such thing of the other, and consent or refusal in either case must naturally depend on circumstances, and on judgment as to the relative importance of the ways in which the pupil's time is to be occupied.

As a matter of fact, we suppose that the cases in which a request for dismissal is refused are rare, and recommend the continuance of the present practice, with the caution that, like tardiness, dismissals are injurious to the progress of the pupils themselves and of the school, and consequently should be kept by parents at a minimum number.

THE HIGH SCHOOL.

Certain questions have been asked during the past year that deserve notice.

First, we have to consider why do so many pupils leave

school before completing the course of study? In order to answer this question properly we must answer one more. Is our high school different in this respect from high schools in general? If so, we must look for some special cause or causes; if not, we may seek for the causes that operate to produce this in most high schools.

The writer can speak on this point from an experience of many years, and regrets to say that in this matter Melrose is no exception to the general experience in the high schools of the State.

In a three years' course of study, less than one-half of those that enter the school graduate, and in a four years' course the number is still smaller in proportion.

In our high school, for the last three years, the classes have numbered at graduation a little under one-half of their number on entering the school. Thus we see that the causes must be sought in some general conditions that apply to pupils of high school age.

It is not difficult to find some of these causes. The first may be said to be physical. The age of pupils has something to do with their mental as well as physical condition. The high school age is from fourteen to eighteen—the period of most rapid growth physically, and consequently of greatest weakness so far as endurance goes. It is the time when questions of health and a sound body are of the highest importance. There are every year, on account of ill-health, quite a number of pupils that are obliged to be irregular in attendance, and consequently fall behind in their work. Too many of them drop out of school on this account, when it would seem wiser to do less studying in any one year, and prolong their course of study a year or two.

There is always a certain contingent in every class that enters the high school to see "how they will like it," and

with no particular purpose beside. They mean to stay a year or two years, until they are old enough to go to work, and then to leave. Quite often they "like it" and remain for the whole course; but more often they carry out their original intention.

It is the general experience of high school teachers that the pupils who come to the high school to "try it" do not come intending to stay, but usually to please the fond parents, who *advise* their children to go and see how they like, with the understanding that they are to stay only so long as everything meets their approval.

Some pupils are obliged to leave for the reason that they are needed at home, sudden and unexpected changes making it clearly a duty to give up school.

A few pupils every year are taken out of school and sent to other schools. There are many reasons for such action given to the committee, but in no case has a complaint been made to the committee that the parent was dissatisfied and proposed to take his child away, unless the causes for dissatisfaction could be removed.

Sometimes it is the wisest course to change entirely the surroundings and associates of a young person, that a fresh start and a better start may be made.

It is not unfrequently the case, that parents, whose children are preparing for college, think it an advantage to send them to a school devoted to that special work, and they are quite right, but in answer to the question, "Why are people obliged to do this?" which has been asked, we must answer that they are not obliged to do it.

The following list of graduates and the institutions they have entered, answers this question.

CLASS OF 1887.

Frank A. Ingersoll, Boston University.

Wm. E. Keating, Institute of Technology.

K. Wm. Mansfield, Institute of Technology.
Hubert G. Ripley, Institute of Technology.

CLASS OF 1888.

Minnie E. Backer, Wellesley College.
Lillian S. Crocker, Wellesley College.
Hattie D. Field, Boston Normal School.
Blanche S. Jacobs, Boston Normal School.
Sarah E. Morse, Boston University.
E. Annie Whelden, Smith College.
Ernest W. Emery, Bates College.
Frank B. Holmes, Institute of Technology.
Walter H. Norris, Institute of Technology.
Fritz H. Small, Harvard University.

CLASS OF 1889.

Marion E. Bradbury, Wellesley College.
Helen L. Burr, Wellesley College.
Lillian K. Morse, Smith College.
Ambrose C. Dearborn, Harvard University.
Frederick L. Hoffman, Bates College.
Julian C. Woodman, Bates College.

The whole number of graduates in these three classes is fifty-eight, and the above list shows nineteen in higher institutions, for which they were prepared in our high school.

If others cannot do what these have done, the fault must lie outside the school.

It must be borne in mind, however, that it is not the chief business of the school to prepare for higher institutions. More than two-thirds of its pupils are in school for a different purpose. They do not do the same work, nor can the standard be quite the same as in a school whose pupils are all preparing for college, and this must react to some extent on the pupils who are taking the college course.

It is, therefore, manifestly unfair and unjust to expect that our pupils that graduate in the college course should have the same preparation as do others that graduate at Exeter, at Andover or at the Latin Schools of Boston — schools in which the course of study is usually a year longer, and which have made a specialty of that kind of work for a long period of time.

Our high schools are recognizing the disadvantages under which they labor in this respect, and are beginning to make their "College Courses" five years in length. It is not impossible that we may be obliged to do the same. We have presented this view of the case, not to make any argument in the matter, but to call attention to the facts. Least of all would we be thought to entertain the idea that our high school is not capable of improvement. It is the business of the committee to try to improve it as well as all the schools, and to that end they crave the suggestions of parents and friends.

OTHER SCHOOLS.

The record of these schools during the past year is remarkable for the changes in the teaching force employed in them.

Two teachers, Miss Bisbee and Miss Hersey, were out the whole school year on account of the state of their health.

The committee were fortunate in securing the services of Miss Mary French for Miss Bisbee's class, and are gratified to speak of her work as showing excellent power as an instructor, and a very high character as to discipline.

Miss Hersey's class was taken under the care of Mrs. Della H. Crosby, who came highly recommended, and whose work was so satisfactory that the committee were glad to give her a permanent appointment at the first opportunity.

During the year, it became necessary for Miss Fairbanks and Miss Barrett to give up their work.

It was no easy task for the committee to obtain teachers who would satisfactorily take these classes in the middle of the year, and complete the work laid down for them to do.

In the first grammar school this seemed to the committee especially difficult, for who should take up the reins of control, that illness alone could take from the hands of a teacher, whose record for excellence of work, and for the friendship, and enthusiastic admiration of her pupils was so great? No wonder we hesitated. But something had to be done and that without delay.

It was decided to put the work that Miss Fairbanks had to lay down, into the hands of Miss Swett, who had been the teacher of a portion of the pupils a year before.

Entering upon her work with hesitation, yet with the determination to succeed, it is not too much praise to say that her efforts were crowned with a triumphant success.

The committee desire to express to Miss Swett, and to the faithful assistant, Miss Sweetser, their thanks for the zeal, patience and hard work that they put into their school the last half of the year.

We were not so fortunate in Miss Barrett's case, and regret our inability to procure a teacher who could successfully carry on the work as it should have been done.

We speak with commendation of the work of Miss Swett's substitute, a lady who was mistress of the class from the first, and who pursued definite objects, and obtained definite and satisfactory results.

The number of pupils in the Lynde street building became so small last year, that it did not justify the maintainance of two schools this year, and the pupils were all put into one room, constituting what is called a mixed school, which was placed under Miss Ellis.

It is with regret that the committee announce the retirement from our corps of teachers of Miss Mary I. Hersey, the teacher of the Grove street primary school for many years. Continued ill health convinced her that her only course was to resign, and by a long rest strive to restore her partially exhausted system to its normal condition.

She was a good teacher in all respects, and her departure is a great loss to our primary schools.

Miss Gertrude Smith of the Fells primary school also resigned during the early part of the present school year, to accept a position as a teacher of elocution in another state, and a little later Miss Marion Morgan resigned at the Ripley school, on account of the removal of her family from the state.

While obliged thus to chronicle the departure of several of our teachers, we are happy to report that in the main the losses have been made good and that our schools are progressing favorably.

At the beginning of the school year in September, the committee put into operation a plan for making the important study of drawing effective throughout the whole school system, by appointing a teacher who should superintend that branch of study in all the schools. Miss Elizabeth Creveling was selected out of many applicants as the teacher, and the progress made in that study up to the present time seems to justify the action of the committee.

Miss Creveling's experience as teacher of that branch in the State Normal School at Framingham, makes her well qualified to put our teachers on the right way as to plan and methods, and we hope next year to present a carefully prepared plan for a progressive course in this study through all grades of our schools.

Attention is respectfully called to the course of study herewith presented, to the rules and regulations of the com-

mittee and for the conduct of the schools, which have been revised during the year, and are presented in their new form, and to the other facts and statistics, presented as usual in this report.

SCHOOL REGULATIONS.

1. The committee shall meet for organization on the first Tuesday following the town election in March.

2. At the first meeting of the board a chairman and a secretary shall be chosen by ballot.

3. At the first regular meeting after organization, the chairman shall nominate for election by the board, committees of three members each, as follows:—three district committees (one for each of the three districts), a committee on text-books and course of study, and a committee on accounts.

4. The first-named member of each committee shall be its chairman.

5. The high school committee shall consist of all the members of the board.

6. The districts shall be named as follows:—The Highland district, the Centre district and the Wyoming district. The Highland district shall include the Franklin, the West, the Green street and the Upham street schools. The Centre district shall include the Emerson street, the Vinton street and the Centre schools. The Wyoming district shall include the Grove street, Lynde street, Fells and Ripley schools.

7. Regular meetings of the board shall be held on the third Tuesday of each month, excepting July and August.

8. The chairman shall call a special meeting of the

board whenever he may deem it necessary, or at the request of any two members.

9. The secretary shall give notice to the members elected at the annual town meeting of the time of meeting for reorganization.

10. The three district committees shall have the immediate direction of the schools in their respective districts, and shall visit them as often as practicable. It shall be their duty to give advice to the teachers of their respective schools relative to discipline and other subjects requiring counsel ; and in case of any difficulty between the teachers and the parents or guardian of the pupils, they shall settle the same in such manner as the merits of the case may seem to require, not denying to any parent, guardian or teacher an appeal to the whole board. When the office of teacher in any school shall become vacant, they shall, as soon as possible, fill such vacancy temporarily, and report their action at the next meeting of the board.

11. The text-book committee shall recommend to the board such books as they may think necessary for the schools ; and no book shall be adopted by the board, to be used as a text-book in the schools, unless the same shall previously have been reported on by this committee.

12. The committee on accounts shall examine all bills authorized by the board, and report the same to the board for final action. They shall also present to the board, at or before the meeting in February, annually, an estimate of the expenses of the public schools for the next fiscal year.

13. At the appointed hour, the chairman shall call the meeting to order, and cause the record of attendance to be taken. In the absence of the chairman, the secretary shall preside until a chairman *pro tempore* shall have been elected, Business shall proceed in the following order :

1. Reading the minutes of last meeting.

2. Unfinished business of preceding meeting.
3. Reports of Committees.
4. Miscellaneous business. (Under this head the allowance of bills shall be first attended to.)

14. Teachers shall be appointed and their salaries voted annually at the first meeting in June ; the school year beginning the first Monday in September.

15. Teachers shall be paid monthly during the school year.

TIME FOR SCHOOL SESSIONS.

16. The school year shall consist of forty weeks, beginning the first Tuesday in September.

17. The following holidays shall be granted : Every Saturday, New Year's Day, Washington's Birthday, Fast Day, Memorial Day, June 17th, Thanksgiving Day and Christmas Day. The vacations shall be : The week following Christmas ; the Friday after Thanksgiving ; one week beginning the fourth Monday in February ; one week beginning the fourth Monday in April ; from the close of the summer term to the first Tuesday in September. No other holidays or vacations shall be granted unless by written permission of the chairman of the committee.

18. The daily session of the high school shall begin at 8 A.M. and close at 1 P.M., with a recess of half an hour. The sessions of all other schools shall be from 9 to 11.40 A.M., and from 2 to 4 P.M., except during November, December and January, when the afternoon session shall be from 1.40 to 3.40.

19. In case of stormy weather, the chairman of the committee may give notice of "no school," by striking number 44 of the fire alarm half an hour before the time for beginning the session.

20. Teachers shall have their schoolrooms open for the admission of pupils fifteen minutes before the beginning of each session.

21. Teachers shall not absent themselves from school or procure substitutes, without the consent of some member of the sub-committee of that district. All absences are to be distinctly recorded in the school registers. But, for the purpose of observing modes of discipline and instruction, teachers may visit other schools for one-half day in each term, at such times as may be arranged between them and the sub-committee of the respective schools. Substitutes shall be paid by the teachers for whom they substitute five-sevenths of their salary, unless the committee vote otherwise.

22. Teachers are required to report all damages to school property, unless repairs are immediately made at the expense of parent or guardian.

23. Teachers shall not detain pupils after the close of the morning session, nor more than thirty minutes after the close of the afternoon session.

24. Teachers may temporarily suspend pupils only for direct insubordination or for persistent opposition to authority, informing the parent or guardian and the committee at once of such suspension, and the reason therefor.

25. "The several school teachers shall faithfully keep the registers furnished to them, and make due return thereof to the school committee; and no teacher shall be entitled to receive payment for services until the register, *properly filled up and completed*, shall be so returned." (Extract from the Revised Statutes.) Teachers shall be required to give a fortnight's notice of resignations.

26. Teachers shall be held responsible for good order and neatness in the schoolhouse and on the grounds, and for the preservation of the furniture, books and apparatus in the school-rooms.

27. Every case of corporal punishment, which should be resorted to only after mature deliberation in extreme cases of breach of discipline, must be reported at once, in writing, to the chairman of the committee. Said report shall state the name and age of the pupil, the nature of the offence and the amount of punishment. Teachers shall also make such other reports as the committee may order.

28. When a pupil does not attain the required per cent. for promotion, by reason of sickness, unavoidable absence, or other causes requiring consideration, the circumstances will be reported by the teacher, to be passed upon by the committee.

29. It shall be the duty of all the teachers to give vigilant attention to the ventilation and temperature of their schoolrooms, which should be thoroughly aired at recesses and at the end of each session.

30. No teacher shall contract a bill for repairs on any school buildings, furniture or grounds, nor purchase any article to be charged to the town.

31. In case of absence, tardiness or dismissal before the close of the session, a written excuse from the parent or guardian shall be required. The younger classes in primary schools shall be dismissed at the middle of the session.

32. No pupil shall be admitted to any public school without a permit from some one of the committee, who will require satisfactory evidence that the child is five years of age and has been vaccinated; and no pupil shall be admitted to any of the primary schools except during the first two weeks of September and March, unless qualified to enter existing classes.

33. No pupil will be allowed to attend school while any person residing in the same house is sick with small-pox, diphtheria or scarlet fever, or during a period of two weeks from the death, recovery or removal of such sick person.

34. No non-resident child, nor one who has only a temporary residence in the town, shall be received or retained in any school, except with the consent of the school committee, who may require parent or guardian of such child to pay the average cost per scholar in such school for the time the child is instructed there.

35. No deviation from the course of study prescribed by the committee shall be permitted, and no pupil shall be advanced or put back in grade without the consent of the committee.

36. Pupils guilty of defacing or injuring schoolhouses, school furniture, out-buildings, fences or school property in general, shall be subject to such penalty as the statute prescribes or the committee deem proper.

37. Public announcements of any nature, either verbal or printed, not connected with the public schools, must not be made or distributed without the consent of the chairman of the committee.

38. The duties of the several janitors shall be to *sweep and dust each schoolroom and entry twice every week*; to wash the floors and windows during each of the vacations of May and November; to clean and wash all out-buildings as often as is necessary to keep them perfectly clean; to keep steps and paths free from snow in winter, and the yards clean and in good order; to report to teachers all injuries to property; to see in cold weather that the schoolrooms are at a proper temperature half an hour before the time for beginning each session of school, and that doors and windows are locked at night and during vacations.

39. Janitors shall not contract any bill for repairs on any of the school buildings, furniture or grounds, nor make any purchase of any article to be charged to the town, unless authorized by the committee.

40. The supply agent shall be at the committee rooms each day of the first week of fall term, and each Tuesday during term time throughout the year, from 11 to 12 M. The agent's duties shall be to purchase and issue to the schools such books and supplies as are ordered by the committee ; to keep a correct account of books and supplies received, issued and on hand, and to have such account open at all times to the inspection and for the information of the committee ; in June of each year to make a thorough inspection of the books in hands of pupils of the several schools, in order to promote the care of the same, and report whatever may be necessary to the committee for their action or information ; to adjudge damage in case of gross carelessness or wanton destruction of books, to the end that parents shall make restitution in such cases.

41. No books or supplies shall be furnished to teachers or janitors, except upon written requisition from them made upon blanks furnished by the committee.

COURSE OF STUDY

In Melrose, with a brief account of the work of each grade of schools in the various studiss.

FIRST YEAR'S WORK, PRIMARY GRADE.

Number.—Counting to one hundred. Practice in making figures. Various combinations in addition, subtraction, multiplication, and division to ten.

Reading.—Blackboard work. One hundred written words and half as many sentences. Monroe and Appleton charts, also using blackboard. Monroe and Interstate Primers ; Parker's Supplementary First Reader, and first half of

Barnes' New National First Reader, and Lippincott's Beginner's First Reader.

Music.—Tonic sol-fa.

Writing.—Capitals and small letters. Simple words and sentences. Name, town and state. Months and seasons.

Drawing.—Sphere, cube and cylinder. Modeling in clay. Paper cutting, folding and pasting. Designs.

Language.—Simple sentences teaching use of capitals and of period, interrogation and exclamation points. Letter writing. Every lesson a language lesson.

Physical Exercises.

Lessons on Human Body.

Object Lessons.

Memory Gems.

Morals and Manners.

SECOND GRADE.

Reading.—The last half of the Beginner's book, and Barnes' First Reader. Supplementary Reading.

Numbers.—All combinations to 20 taught. The "Number Game," number cards, number stories and pigs used as supplementary. Various devices for "busy work." Roman Numerals to 100.

Spelling.—Words selected from reading lesson. Names of objects, &c.

Writing.—Book No. 1, lead pencil course, finish.

Punctuation.—Period, comma, question mark.

Drawing.—Forms taught from objects and by moulding. Drawn on slate, paper and blackboard. Different forms combined to bring out design, color and harmony.

Object Lessons.—Various subjects.

Lessons on Morals, Temperance and Politeness.

THIRD GRADE.

Arithmetic.—Combinations from 20 upward. Reading and writing of numbers to hundred-thousandths. Examples taught in addition, subtraction, multiplication and short division. Franklin Primary Arithmetic finished.

Geography.—Oral lessons, including forms of land and water, points of direction and geography of Melrose.

Reading.—Monroe's Second Reader finished. Supplementary reading.

Spelling.—First Section of Meleney's Speller, and words selected from readers.

Language.—Simple lessons, including stories written from pictures. Stories reproduced. Letter writing. Sentence making. Use of capitals and punctuation.

Writing.—Harper's Copy Book No. 1, finished.

Drawing.—Oral lessons on form, using objects. Prang's Drawing Book No. 1, finished.

FOURTH GRADE.

Arithmetic.—Written arithmetic as far as fractions. First three sections of Eaton's Mental Arithmetic.

Geography.—Butler's Elementary Geography to South America.

Reading.—Appleton's Third Reader finished. Supplementary reading.

Spelling.—Section Second and half of Section Third of Meleney's Speller.

Language.—Stories written. Letter writing.

Sentence-making.—Use of capitals. Punctuation.

Writing.—Harper's Copy Book No. 2, finished.

Drawing.—Oral lessons on form, using objects. Prang's Drawing Book No. 1, finished.

FIFTH GRADE.

Written Arithmetic.—Greenleaf's Complete. Beginning of book to page 95. Subjects, fractions, common. Review of addition, subtraction, multiplication and division.

Intel. Arithmetic.—Eaton's. Sections III, IV, V. Pages 48 to 101 inclusive.

Spelling.—Meleney's. Pages 18 to 58 inclusive. Monroe's Spelling Blanks.

Geography.—Butler's Elementary. Begin page 86, finish book. Subjects, South America, Europe, Asia, Africa, Australia. Rudimentary Map Drawing.

Language.—Hyde's Practical Lessons. Whole of book I. Letter and story writing.

Drawing.—Prang's Shorter Course. Introductory book. Three lessons a week, including drawing teacher one-half hour.

Writing.—Harper's No. 3. Three lessons a week.

Music.—Tonic sol-fa, No. 2, daily. Mr. Benson one-half hour, fortnightly.

Reading.—Munroe's Third.

Physical Exercise, daily.

Physiology and Temperance.—Once a week or oftener.

SIXTH GRADE.

Geography.—United States and other countries of North America. Subjects completed. (Butler's Complete Geography.)

Arithmetic.—Work in Common Fractions extended and reviewed. Practical work. Decimal Fractions, completed. Compound Numbers. Mensuration, subjects completed. Oral work in the subjects taught. (Greenleaf's Complete Arithmetic. Eaton's Intellectual Arithmetic.

Languages.—Analysis of simple sentence. Parts of

speech, with technical names. Modifications of parts of speech, omitting the verb. Simple parsing. Punctuation, composition, letter and story writing. (Swinton's Language Lessons.)

SIXTH GRADE.

Reading. — Fourth Reader, completed. Supplementary Reading. (Appleton's Fourth Reader.)

Spelling, from Worcester's Speller, and selections from other studies, and words in common use. Oral and written work.

Spelling. — Harper's No. 3, completed. Daily outside practice and drill.

Drawing.—Three lessons per week, one given by special teacher. (Prang's Elementary Course.)

Singing (tonic sol-fa) daily. One lesson fortnightly, by special teacher.

SIXTH GRADE.

Oral lessons each week in physiology, and selected subjects.

Gymnastics each session.

SEVENTH GRADE.

Reading.—Munroe's New Fourth Reader.

Supplementary.—The Making of New England.

Reading, in connection with the study of Geography.

Spelling.—Oral and Written. Worcester's Spelling-book. Words selected from daily studies. Attention given to Syllabication.

Writing.—Harper's Writing Charts and books used. Daily exercises on Practice Paper, for holding the pen and for rapid movement.

Arithmetic.—Review of Reduction and Decimals. Percentage, including Profit and Loss, Commission, Insurance, Interest and Bank Discount. Mental Exercises.

Geography.—Butler's Complete. South America, Europe, Asia and Africa. Review New England States. Map Drawing.

Language.—Punctuation, Parsing and Analysis of Complex and Compound sentences. Exercises in correcting false syntax.

Compositions.—On simple subjects. Reproduction of Prose and Poetry. Letters.

Declamation.—Once in six weeks for each pupil.

Drawing.—Form Study, Free-hand Drawing, Perspective and working drawings of models. Instruction in simple design.

Vocal Music.—Tonic Sol-fa Music Course, Book III, first half of year. Staff notation, supplement to Book III. Last half, reading from staff in all keys.

Physiology and Hygiene.—Oral Lessons.

EIGHTH GRADE.

Reading.—Appleton's Fifth Reader, first half of the year.

Supplementary Work.—Geographical Reader, American Poems, American Prose, etc., last half of the year.

Spelling.—In connection with the other studies. Instruction in the significance of prefixes and suffixes, definitions.

Writing.—Harper's Series. Movement exercises, practice on paper.

Arithmetic.—Greenleaf's Complete Arithmetic. Simple proportion, partnership, square root, practical mensuration. Daily mental exercises. Review of the book.

Geography.—General review. Much attention given to map drawing.

History.—Eclectic History of United States. Readings

from other histories, with occasional written exercises.

Language.—Syntactical parsing and analysis of sentences. Exercises in correcting false syntax.

Composition.—On topics developed from reading or oral instruction; business forms, letters, orders, bills of purchase, promissory notes, receipts, etc.

Declamation.—Monthly for each pupil.

Physiology.—Steele's Fourteen Weeks in Physiology, with Yaggy's Charts. Simple experiments and illustrations.

Drawing.—Free-hand drawing. Prang's Introductory Book. Perspective and making drawings of models. Drawing from dictation, from memory, and from the blackboard.

Vocal Music.—Whiting's Third Music Reader, with exercises in minor scales and chords, from the blackboard.

Physical Culture.—One hour a week.

MELROSE HIGH SCHOOL. FIRST YEAR.

First Term. College Course. Latin, Reader, 5* ; Algebra, 4 ; History of England, 3 ; Rhetoric, 2.

Latin Course. Latin, Reader, 5 ; Algebra, 4 ; History of England, 3 ; Rhetoric, 2.

English Course. Civil Government, 4 ; Algebra, 4 ; History of England, 3 ; Rhetoric, 2.

Second Term. College Course. Latin, Reader, 5 ; Algebra, 4 ; History of England, 3 ; Rhetoric, 2.

Latin Course. Latin, Reader, 5 ; Algebra, 4 ; History of England, 3 ; Rhetoric, 2.

English Course. Civil Government, 4 ; Algebra, 4 ; History of England, 3 ; Rhetoric, 2.

Third Term. College Course. Latin, Reader, 5 ; Algebra, 4 ; History of Greece, 3 ; Rhetoric, 1.

Latin Course. Latin Reader, 5 ; Algebra, 4 ; History of Greece, or Book-keeping, 3 ; Rhetoric, 2.

* Number of recitations per week.

English Course. Book-keeping, 4 ; Algebra, 4 ; History of Greece, 3 ; Rhetoric, 2.

Fourth Term. College Course. Latin, Reader, 5 ; Algebra, 4 ; History of Rome, 3 ; Rhetoric, 2.

Latin Course. Latin, Reader, 5 ; Algebra, 4 ; History of Rome, or Book-keeping, 3 ; Rhetoric, 2.

English Course. Book-keeping, 4 ; Algebra, 4 ; History of Rome, 3 ; Rhetoric, 2.

SECOND YEAR.

First Term. College Course. Latin, Cæsar, 4 ; Greek, Anabasis, 5 ; Algebra, 4.

Latin Course. Latin, Cæsar, 4 ; Civil Government, 3 ; Algebra, 4 ; Rhetoric, 2.

English Course. French, 4 ; Physics, 2 ; Algebra, 4 ; Rhetoric, 2.

Second Term. College Course. Latin, Cæsar, 4 ; Greek, Lessons, 5 ; Geometry, 4.

Latin Course. Latin, Cæsar, 4 ; Civil Government, 3 ; Geometry, 4 ; Rhetoric, 2.

English Course. French, 4 ; Physics, 2 ; Geometry, 4 ; Rhetoric, 2.

Third Term. College Course. Latin, Cæsar, 4 ; Greek, Lessons, 5 ; Geometry, 4.

Latin Course. Latin, Cæsar, 4 ; English Literature, 4 ; Geometry, 4.

English Course. French, 4 ; English Literature, 4 ; Geometry, 4 ; Physics, 2.

Fourth Term. College Course. Latin, Cæsar, 4 ; Greek, Anabasis, 5 ; Geometry, 4.

Latin Course. Latin, Cæsar, 4 ; English Literature, 4 ; Geometry, 4.

English Course. French, 4 ; English Literature, 4 ; Geometry, 4 ; Physics, 2.

THIRD YEAR.

First Term. College Course. Latin, Cicero, 5 ; Greek, Anabasis, 5 ; Geometry and Physics, 4 ; English Literature, 2.

Latin Course. Latin, Cicero, 5 ; French, 4 ; Geometry and Physics, 4 ; English Literature, 2.

English Course. French, 4 ; Geology, 3 ; English Literature, 5.

Second Term. College Course. Latin, Cicero, 5 ; Greek, Anabasis, 5 ; Geometry and Physics, 4 ; English Literature, 2.

Latin Course. Latin, Cicero, 5 ; French, 4 ; Geometry and Physics, 4 ; English Literature, 2.

English Course. French, 4 ; Astronomy, 3 ; English Literature, 5.

Third Term. College Course. Latin, Cicero, 5 ; Greek, Anabasis, 5 ; Geometry and Physics, 4 ; English Literature, 2.

Latin Course. Latin, Cicero, 5 ; French, 4 ; Geometry and Physics, 4 ; English Literature, 2.

English Course. French, 4 ; Botany, 3 ; English Literature, 5.

Fourth Term. College Course. Latin, Cicero, 5 ; Greek, Anabasis, 5 ; Geometry and Physics, 4 ; English Literature, 2.

Latin Course. Latin, Cicero, 4 ; French, 4 ; Geometry and Physics, 4 ; English Literature, 2.

English Course. French, 4 ; Botany, 3 ; English Literature, 5.

Drawing and Rhetorical Exercises in all courses.

FOURTH YEAR.

First Term. College Course. Latin, Virgil, 5 ; French, 5 ; Greek, Homer, 5 ; English Literature, 2.

Latin Course. Latin, Virgil, 5 ; French, 4 ; Geology, 3 ; English Literature, 4.

Second Term. College Course. Latin, Virgil, 5 ; French, 4 ; Greek, Homer, 5 ; English Literature, 2.

Latin Course. Latin, Virgil, 5 ; French, 4 ; Astronomy, 3 ; English Literature, 4.

Reviews of Mathematics in all courses.

Third Term. College Course. Latin, Virgil, 5 ; French, 4 ; Greek, Homer, 5 ; English Literature, 2.

Latin Course. Latin, Virgil, 5 ; French, 4 ; Botany, 3 ; English Literature, 4.

Fourth Term. College Course. Latin, Virgil, 5 ; French, 4 ; Greek, Homer, 5 ; English Literature, 2.

Latin Course. Latin, Virgil, 5 ; French, 4 ; Botany, 3 ; English Literature, 4.

1889.

Palma non sine pulvere.

GRADUATION EXERCISES, MELROSE HIGH SCHOOL,

TOWN HALL, WEDNESDAY EVENING, JUNE 26,

Commencing at 8 o'clock.

PROGRAMME.

PART I.

OVERTURE.—"King Midas," *Eilenburg*

MELROSE ORCHESTRAL CLUB.

CHORUS.—"On the Mountains," *Kalliwoda*

BY THE SCHOOL.

SALUTATORY ESSAY.—The Advantages of Bible Study.

MARION E. BRADBURY.

ESSAY.—Melrose, Past, Present, Future.

ISADORA C. BARRETT.

RECITATION.—Selection from "Les Miserables."

MARY W. GATELY.

ESSAY.—Is the Annexation of Canada Desirable?

FRED A. SARGENT.

ESSAY.—Chaucer's Prologue.

EMMA L. LEIGHTON.

RECITATION.—"Robert of Sicily."

GRACE D. SMITH.

PART II.

SELECTION from "Faust," *Ch. Gounod*

ORCHESTRA.

CHORUS.—"The Quiet Valley," *Tufts*

SCHOOL.

AWARDING OF THE PRIZES OF THE FRANKLIN FRATERNITY.

CLASS PROPHECY.

HENRY AUGUSTUS SMALL.

RECITATION.—"The Boat Race."

LILLIAN K. MORSE.

ESSAY.—Homeric Women.

HELEN L. BURR.

RECITATION.—"Lasca."

MELLISS H. MCKOY.

ESSAY AND VALEDICTORY.—Modern Heroism.

AMBROSE COLLYER DEARBORN.

AWARDING DIPLOMAS.

WALTZ.—"Santiago," (Spanish,) *A. Corbin*

ORCHESTRA.

NAMES OF GRADUATES.

L. ISADORA CARVER BARRETT.

L. GRACE DUTTON SMITH.

C. MARION E. BRADBURY.

L. LENNIE AMELIA WHITE.

C. HELEN LOUISE BURR.

C. AMBROSE COLLYER DEARBORN.

E. MARY WINNIFRED GATELY.

C. FREDERICK L. HOFFMAN.

L. EMMA LOUISE LEIGHTON.

L. J. WALTER NEWHALL.

E. MELLISS H. MCKOY.

E. FREDERICK AMASA SARGENT.

C. LILLIAN KIMBALL MORSE.

L. HENRY AUGUSTUS SMALL.

E. COLLETTA A. PARKER.

L. HARRY W. VINTON.

C. JULIAN CUSHMAN WOODMAN.

C. College Course. L. Latin Course. E. English Course.

PARTS FOR GRADUATION.

Selected for scholarship.

Marion E. Bradbury.
 Helen L. Burr.
 Isadora C. Barrett.
 Ambrose Collyer Dearborn.

Selected for excellence in English composition,

Lillian K. Morse.

Selected by the class.

Melliss H. McKoy.
 Grace Dutton Smith.
 Henry Augustus Small.

Selected by the teachers.

Mary Winnifred Gately.
 Emma Louisa Leighton.
 Frederick Amasa Sargent.

Honorable mention is made of the following scholars for excellence in literature and mathematics :

First Class.

LITERATURE.

Marion E. Bradbury,
 Helen L. Burr,
 Ambrose Collyer Dearborn,
 Lillian K. Morse,
 Colletta A. Parker,
 Isadora C. Barrett,
 Emma L. Leighton.

MATHEMATICS.

Marion E. Bradbury,
 Helen L. Burr,
 Fred. A. Sargent.
 Fritz H. Small.

Second Class.

Grace C. Albee,
 Grace L. Bradbury,
 Grace B. Carr,
 Edward A. Tucker,
 Asa C. Pulsifer.

Grace C. Albee,
 Herbert M. Cox,
 Fred. H. Hodge,
 Edward A. Tucker
 James F. Pope.

Third Class.

Sarah C. Bryant,	Sarah C. Bryant,
Alice M. Burr,	Alice M. Burr,
Sarah M. Fisher,	Emma J. Norris,
Maud L. Sanford,	Maud L. Sanford,
Mary L. Loring,	Arline A. Merrill,
Etta M. Taylor,	Wm. D. Collins.
Fred. P. Woodbury.	

Fourth Class.

Helen J. Bartholomew,	Helen J. Bartholomew,
Maud H. Marshall,	Maria L. Cass,
Ellie L. Shapleigh,	Sarah Conant,
Harry R. Patten,	Susie M. Flint,
James H. Raisbeck,	Roger M. Campbell,
Albert E. Small.	Eugene F. Ehler,
	Albert E. Small,
	Clifford P. P. Sprunt.

FRANKLIN FRATERNITY PRIZES.

Subjects selected for the literary prizes of the Franklin Fraternity :

First Class. The Spirit of the Rebel Angels, as shown by their speeches in Pandemonium.

Second Class. Any character or contrast of characters in "Merchant of Venice."

Third Class. The boyhood of Whittier.

Fourth Class. Feudal customs as shown in "Marmion."

Fraternity prizes were awarded as follows :

Literature, first prize, Evelyn C. Coggeshall.

" second prize, Helen Louise Burr.

Mathematics, first prize, geometry, Helen Louise Burr.

" " algebra, third class, Maud L. Sanford.

Mathematics, first prize, algebra, fourth class, Helen J. Bartholomew.

GRADUATING CLASS OF FIRST GRAMMAR SCHOOL,

June 27th, 1889.

Harold P. Bale,
Emma G. Baldwin,
Royal P. Barry,
Carrie L. Bemis,
Henrietta Berry,
Maude E. Brown,
Mabel S. Brown,
Nora L. Brown,
Lizzie Bucknam,
Arthur W. Burke,
Grace I. Butterfield,
Ashton L. Carr,
Ellen M. Carr,
Anita B. Clark,
Roy S. Cleaveland,
Ingersoll Coggeshall,
Catherine W. Coombs,
Richard B. Conner,
Arthur L. V. Currier,
Evelyn Dowling,
Joseph P. Duffy,
Harry M. Eastman,
John H. K. Edwards,
Mary E. Fanley,
Grace E. Fernald,
Walter H. Flanders,
Warren E. Gilchrist,
Charles F. Gourley,
Annie E. Hawley,
Jessie O. Henderson,
Annie E. Howes,
Ervin C. Hunnewill,
Charles H. Hurd,

Frank W. Johnson,
Harriet M. Jones,
Annie S. Kiander,
Grace M. Kirmes,
Edward J. Kitching,
John W. Kohr,
Grace B. Leighton,
M. Harlan Nims,
Mary L. Norris,
William J. Riley,
Grace G. Robbins,
Edith J. Sampson,
Manley B. Sampson,
Grace D. Sanford,
Frank D. Shepard,
Mary E. Slocum,
Annie E. Small,
George H. Smith,
Mattie A. Smith,
Helen W. Snow,
Cyrus J. Spencer,
Dwight C. Sturges,
Inez V. Stickney,
Charles A. Swan,
Mary I. Taylor,
John T. Timlin,
Fannie M. Tucker,
Florence E. Upham,
Vernon Vaughan,
Sarah S. Westgate,
Mary L. Wilder,
Francis C. Worthen.

SALARIES OF TEACHERS.

NAMES.	SCHOOLS.	SALARIES.
Alonzo G. Whitman . . .	High, Principal . . .	\$2,000
Clarimond Mansfield . . .	" Assistant . . .	625
Hattie G. Ricker	" " . . .	625
A. A. Ballou	" " . . .	800
Harriet C. Fairbanks . . .	8th Grade, Principal . .	1,000
Effie C. Sweetser	" Assistant . . .	550
Lucy W. Bisbee	7th Grade, Emerson st.	600
Alice M. Swett	" Vinton st. . .	600
Lydia Mendum.	" Franklin . . .	600
Susan D. Melcher	6th Grade, Centre . .	550
Helen J. Barrett	" Grove st. . .	550
Belle Mitchel	6th & 5th Gr., Franklin	500
Mary J. George	5th Grade, Centre . .	500
Kate W. Bascom	" Grove st. . .	500
Lillie J. Davis	4th & 3d Gr., Centre . .	500
Alma J. Guptill	" " Franklin . . .	500
Alice H. Long	" " Vinton st. . .	500
Della H. Crosby	" " Grove st. . .	500
Emma A. Weeks	" " Converse . . .	450
Lucy F. Demot	2d & 2d Gr., Vinton st.	500
Mary E. Nye	2d & 1st Gr., Converse .	450
Amelia F. Trowbridge . . .	" " Grove st. . .	450
Isabel Chapin	" " Centre . . .	500
Emma L. Randlett	" " Franklin . . .	500
Annie M. Ransom	1st Grade, Vinton st. .	450
Annie Chadbourne	Mixed school, Upham st.	500
Vacancy	" Ripley . . .	450
Florence M. Perry	" Green st. . .	450
Mary A. Plummer	" West . . .	450
Florence Ellis	" Lynde st. . .	500
Harry Benson	Music	400
Elizabeth Creveling	Drawing	350
		<hr/>
		\$18,400

JANITORS.

NAMES.	SCHOOLS.	SALARIES.
J. W. Boyce	High School	\$324
Arthur Armington	Cedar, Grove & Vinton sts.	600
C. H. Fuller	Franklin, Green st.	235
W. F. Serrat	Lynde st.	100
Joseph Emerson	Converse school	100
Eri Upham	Upham st.	60
John Davis	Ripley	60
		<hr/>
		\$1,479

SUPPLY AGENT'S STATEMENT.

Value of text-books and supplies in stock, Jan. 1, 1889	\$596 05
Value of text-books and supplies purchased from Jan. 1, 1889, to Jan. 1, 1890	1,503 63
Value of text-books and supplies issued to schools from Jan. 1, 1889, to Jan. 1, 1890	1,723 09
Value of text-books and supplies in hand of agent, Jan. 1, 1890	376 59

A. K. MILLER,
Supply Agent.

MELROSE, Jan. 1, 1890.

Books worn out and discarded	560
" re-bound	306

Most of these books had been in use four or five years.

SCHOOL STATISTICS.

SCHOOLS.	Maximum Number, Jan. 1 to July 1.	Average attendance, Jan. 1 to July 1.	Maximum number, Sept. 1 to Dec. 31.	Average attendance, Sept. 1 to Dec. 31.	Number of pupils, Jan. 1, 1890.	Per cent. of attend- ance for the year.	Yrs.	Average age, Dec. 31, 1889.
HIGH, First class.....	18	17.6	27	—	25	96.1	17	4
Second class.....	15	14.3	25	—	22	95.7	17	8
Third class.....	42	4.0	38	—	35	98	15	4
Fourth class.....	48	4.4	55	—	54	94	14	7
Totals	123	115.9	144	—	136			
8th grade, Miss Fairbanks } and Miss Sweetser. }	94	83.2	100	93.5	97	93.8	14	6
7th " " Bisbee	46	35.5	50	45.1	47	89.4	13	8
7th " " Swett	45	38.9	48	42.9	45	94	13	4
7th " " Mendum	43	37.7	54	39	39	91	13	2
6th " " Melcher.....	50	41.5	57	49	54	84.2	12	7
6th " " Barrett.....	55	49	59	52.3	56	94.5	12	7
6th and 5th grade, Miss Mitchel.....	64	51.7	45	38	40	91.1	11	7
5th grade, Mrs. Bascom.....	56	47	53	48.5	52	94.3	11	6
5th " Miss George	55	53	50	47	50	95	11	1
4th and 3d grade, Miss Davis	63	56.6	59	53.7	56	90.4	9	2
" " " " Guptill.....	56	43.4	48	42.6	45	91.3	10	—
" " " " Ellis.....	25	20.4	—	—	—	—	—	—
" " " Mrs. Crosby.....	55	50.3	56	50	56	93.2	10	9
" " " Miss Long.....	52	47.2	54	50.8	52	93	9	9
" " " Weeks.....	34	28.4	33	29.2	33	94.8	9	6
3d and 2d grade, Mrs. Dermot.....	42	38.6	48	43.4	47	92.5	8	1
2d and 1st grade, Miss Nye *.....	23	17.9	—	—	—	—	—	—
" " " " Trowbridge ...	36	32.3	34	30.6	36	91.2	6	7
" " " " Chapin	67	54.3	68	53.8	63	94.9	6	9
" " " " Randlett.....	66	50.4	69	50.1	59	74.5	7	4
" " " "	51	25.6	39	32.1	39	89.6	6	6
1st grade, Miss Ransom.....	51	47.3	58	52.8	56	95.1	6	3
MIXED SCHOOLS.								
Upham street, Miss Chadbourne.....	53	42	50	47	47	80.4	7	10
Green " " Perry.....	45	37	41	38	40	95.1	—	—
West " " Plummer.....			39	30.5	36	30.5	7	7
Lynde " " Ellis			49	39.6	45	88.7	8	8
Totals	1350	1145.1	1405		1325			

* Miss Nye's first report is the Lynde street Primary; her second, the Converse Primary.

WARRANT.

*To either of the Constables of the Town of Melrose, in the
County of Middlesex: GREETING.*

In the name of the Commonwealth of Massachusetts, you are hereby required to notify the inhabitants of the town of Melrose, qualified to vote in elections and Town affairs, to meet at the Town Hall, on Monday, the third day of March, A. D. 1890, at 7 o'clock, A. M., then and there to act on the following articles, viz. :

ARTICLE 1. To choose a Moderator.

2. To see if the Town will vote to increase the number of Selectmen to five, on petition of George T. Brown and others.

3. To bring in their votes on one ballot for all necessary Town Officers.

4. Upon a separate ballot to bring in their votes in answer to the question, "Shall licenses be granted for the sale of intoxicating liquors in this town?" Form and size of ballots to be as prescribed in Chapter 49, Acts of 1886.

5. To choose any other Town Officers deemed necessary or required by law.

6. To authorize the Town Treasurer to borrow money for the purpose of meeting the demands of the town, with the approval of the Selectmen.

7. To raise money for Schools.

8. To raise money for School Contingent Expenses.

9. To raise money for Highways.

10. To raise money for Sidewalks.

11. To raise money for Crossings and Gutters.
12. To raise money for the support of the Poor.
13. To raise money for the Fire Department.
14. To raise money for lighting and care of Street Lights.
15. To raise money for additional Street Lamps.
16. To raise money for Police and Watchmen.
17. To raise money for Contingent Expenses.
18. To raise money to pay interest on the Town Debt.
19. To raise money for the Reduction of the Town Debt.
20. To raise money for the Public Library.
21. To raise money for the use of Water, in hydrants, public buildings, etc.
22. To raise money for the relief of needy soldiers and sailors as provided by Chap. 298, Acts of 1889.
23. To raise money for Salaries of Town Officers, and to fix the compensation of all officers and committees elected or appointed by the Town.
24. To raise money for Drainage, Bridges and Culverts.
25. To raise money for the purposes for which the Treasurer has been authorized to borrow and the Selectmen to expend during the past year, and for any other necessary expenses for the ensuing year.
26. To determine the method by which the taxes for the year shall be collected.
27. To authorize the Town Treasurer to issue Water Fund Bonds for the purpose of paying the cost of construction for the ensuing year.
28. To see if the Town will raise the sum of \$200 for keeping in repair and decorating the graves of Soldiers on Memorial Day.
29. To see if the Town will raise money to grade and improve the "Soldiers' Lot" in Wyoming Cemetery, as set apart by the Selectmen.
30. To see if the Town will appropriate the sum of \$200 to improve the Town Common, on petition of William N. Folsom and others.

31. To see if the Town will remove the ledges within the limits of High and Vinton streets and otherwise improve said streets, and raise money for the same on petition of William A. Burrell and 24 others.

32. To hear and act upon the report of the committee appointed Nov. 9, 1889, to procure plans, specifications and estimates for a High School Building, to select land, etc.

33. To see if the Town will build a High School Building, purchase land for the same, remove the present High School Building if necessary, and authorize the Treasurer to borrow money for said purposes.

34. To see if the Town will alter or amend the Town By-Laws relating to the keeping of swine, on petition of William N. Folsom and others.

35. To see if the Town will authorize the cemetery committee to build a barn on the Pratt farm.

36. To see what action the Town will take to meet the payment of the first issue of Water Fund Bonds at their maturity, July 1, 1890, to petition the Legislature for authority to issue additional bonds and to pass such other votes as may be deemed necessary in the premises.

37. To see if the Town will sell the lot of land on Main street, near the estate of Warren Lynde, and purchase other land in a more suitable location, and build a hose house thereon for the use of Hose Company No. 2, and raise or appropriate money for the same, by request of the company.

38. To see if the Town will place electric lights upon the following streets: At the corner of Trenton and Washington streets, an arc light, and two small electric lights on Trenton street between Washington street and Wyoming avenue, on petition of Joel W. Brown and 22 others.

39. To see if the Town will place electric lights at the corner of Cleaveland street and Wyoming avenue, and at the corner of Wyoming avenue and Ravine street, on petition of John Burns and others.

40. To see if the Town will alter, amend or annul a portion of Section 4, Article 2, of the Town By-Laws relating to the duties of Town Officers.

41. To see if the Town will build a sidewalk on Pleasant street its entire length from Wyoming avenue to Washington street, and raise or appropriate money for the same, on petition of H. F. Ehlert, the Boston Rubber Shoe Co., E. S. Converse and others.

42. To see if the town will grade Lebanon street from Second street to Grove street, and raise money for the same, on petition of Henry N. Cass and others.

43. To see if the Town will repair Wyoming avenue from the railroad crossing westerly to Stoneham line, and build a sidewalk along said avenue, and raise money for the same, on petition of John Burns and twenty-six others.

44. To see if the Town will raise or appropriate the sum of one hundred and fifty dollars to build gravel sidewalks on Grove street, on petition of Charles Boardman and twenty-four others.

45. To see if the Town will properly grade Gooch street, and raise or appropriate money for the same, on petition of William N. Folsom and others.

46. To see if the Town will grade and otherwise improve Botolph street and West Hill avenue from said Botolph street to Franklin street, and raise or appropriate money for the same, on petition of R. H. Watkins and twenty-two others.

47. To see if the Town will grade Walton Park, and raise or appropriate money for the same.

48. To see if the Town will build on the north side of Wyoming avenue a gravel walk from Cleaveland street to the estate of John W. Hensby, near Ravine road, and raise money for the same, on petition of A. C. Sibley and others.

49. To see if the Town will purchase a steam fire engine, with necessary equipments for the same, and raise or appropriate such sum of money as may be required.

50. To see if the Town will take the necessary steps to widen, deepen and clear from obstructions Ell Pond and Spot Pond brooks, on petition of Justus Geist and 129 others.

51. To see what action the Town will take in relation to the establishing of an electric plant for the furnishing of electric light.

52. To see if the Town will permit the property now owned by Mrs. M. A. Hunt adjoining the Jewish burying ground on Linwood avenue, to be used for the enlargement of said burying ground, and for cemetery purposes, on petition of Moses S. Page and others.

53. To hear and act upon the reports of committees, and for the transaction of any other business which may legally come before this meeting.

And you are directed to serve this Warrant by posting attested copies thereof at the Town Hall, each of the Post Offices and Depots of the town, not less than seven days before the day appointed for said meeting, and by leaving printed copies of the Warrant at the dwellings of the legal voters before the day of meeting.

Hereof fail not, and make due return of this Warrant, with your doings thereon, to the Town Clerk, at the time and place of said meeting.

Given under our hands this twenty-first day of February in the year one thousand eight hundred and ninety.

LEVI S. GOULD,	} <i>Selectmen</i> <i>of</i> } <i>Melrose.</i>
J. P. DEERING,	
C. W. HIGGINS,	

A true copy. Attest,

ANSEL B. PIERCE, Constable.

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